

# Initial Estimates

## **EIA Responds to Customer Requests for More Timely Data**

The Energy Information Administration (EIA) is publishing initial estimates for selected petroleum product prices within 3 weeks after the close of the reference month. Historically, estimates for petroleum product prices are published in the *Petroleum Marketing Monthly* approximately two to three months after the close of the reference period. In an effort to respond to customer needs, initial estimates for selected products are being published earlier. These initial estimates are replaced with the preliminary and final prices according to the current schedule.

The initial estimates are forecasted using autoregressive integrated moving average (ARIMA) transfer function models. Transfer function models are ARIMA models which use input data series as predictors. The initial estimates are calculated based on their own past values and present and past values of other related time series, such as spot prices and heating degree-days. At least 5 years of data are used to obtain the forecasts.

**Table IE1. Prices for Selected Crude Oil and Petroleum Products  
by Sales Type and PAD District**  
(Crude Oil in Dollars per Barrel, Products in Cents per Gallon Excluding Taxes)

Products Sales Type Geographic area	1998											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Crude Oil</b>												
<b>Refiner Acquisition Cost</b>												
Domestic .....	15.87	14.77	13.52	13.47	13.52	12.43	12.39	12.45	13.40	13.42	12.49	10.52
Imported .....	14.55	13.41	12.36	12.85	12.66	11.67	11.56	11.34	12.78	12.12	10.99	9.39
Composite .....	15.14	14.03	12.87	13.10	13.01	11.98	11.92	11.79	13.04	12.64	11.59	9.84
<b>Motor Gasoline</b>												
<b>Sales to End Users Through Retail Outlets</b>												
<b>Regular</b>												
U.S. ....	68.6	64.8	62.0	63.4	66.4	65.7	64.0	61.3	60.0	61.1	58.4	53.8
PADD 1 .....	67.1	62.9	59.7	60.6	62.1	62.0	60.1	57.8	56.4	58.6	57.0	52.6
PADD 2 .....	64.5	63.5	62.7	64.7	68.0	66.8	65.6	61.6	60.3	61.0	56.6	50.6
PADD 3 .....	67.0	63.6	60.7	60.6	61.7	61.1	59.6	57.1	55.7	57.5	54.9	50.7
PADD 5 .....	80.9	71.5	65.0	68.3	75.2	73.5	70.7	69.9	68.7	68.7	67.7	66.6
<b>Sales for Resale</b>												
<b>Regular</b>												
U.S. ....	55.3	53.2	50.5	53.1	55.8	53.4	51.9	48.2	48.6	49.8	45.0	39.9
PADD 1 .....	55.9	53.1	50.4	52.6	54.1	51.8	49.9	46.7	47.4	49.3	44.4	39.3
PADD 2 .....	51.9	52.5	50.8	53.8	56.9	54.7	53.1	47.8	48.3	48.9	42.7	37.3
PADD 3 .....	51.7	49.7	47.5	48.9	50.6	48.3	47.0	42.5	43.0	45.5	39.8	34.6
PADD 5 .....	66.0	59.2	54.2	59.1	64.4	60.8	58.8	57.7	57.1	56.7	56.1	53.3
<b>No. 2 Distillate Fuel Oil</b>												
<b>Sales to End Users, Residential</b>												
U.S. ....	92.5	91.5	89.6	87.6	84.8	81.1	77.6	75.5	77.0	78.6	79.9	79.0
PADD 1 .....	93.6	92.7	90.8	88.5	85.8	82.1	78.3	76.1	77.6	79.1	80.5	79.8
PADD 2 .....	82.5	80.6	79.4	79.0	76.3	74.2	72.7	70.8	72.5	73.8	73.1	71.3
PADD 3 .....	66.2	64.7	62.3	63.0	61.2	W	W	55.1	59.8	57.9	55.6	51.9
PADD 5 .....	98.9	95.0	92.8	92.7	90.9	86.3	82.7	84.1	86.5	88.7	89.2	88.4
<b>Sales to End Users Through Retail Outlets<sup>b</sup></b>												
U.S. ....	66.3	63.5	61.6	61.6	61.9	59.1	57.9	56.2	58.1	58.8	56.6	52.4
PADD 1 .....	67.5	64.8	62.7	62.3	62.0	60.0	57.6	55.8	57.4	58.4	56.5	53.1
PADD 2 .....	64.5	62.4	61.1	60.8	60.5	57.7	56.9	54.8	57.5	58.1	55.9	50.9
PADD 3 .....	62.5	60.3	57.8	57.7	58.5	55.7	54.6	52.5	53.9	54.6	52.2	48.9
PADD 5 .....	76.4	70.8	66.4	69.0	70.3	66.5	66.8	67.4	68.4	67.7	66.7	63.8
<b>Sales for Resale</b>												
U.S. ....	51.0	49.6	47.1	48.5	47.3	44.1	42.7	41.3	45.5	45.2	41.8	36.7
PADD 1 .....	51.8	49.9	47.3	47.4	45.8	42.6	41.1	39.2	43.9	43.7	40.6	36.9
PADD 2 .....	48.7	49.3	47.3	49.1	47.9	44.4	43.5	41.9	46.6	46.1	42.3	36.1
PADD 3 .....	49.6	47.7	45.2	45.8	44.5	42.6	40.1	37.8	42.1	42.6	38.7	33.7
PADD 5 .....	54.5	50.9	47.6	53.0	52.1	47.3	47.6	48.9	50.3	49.5	48.9	42.7
<b>Kerosene-Type Jet Fuel</b>												
<b>Sales to End Users</b>												
U.S. ....	52.3	49.9	45.3	46.6	46.7	42.8	43.4	43.6	44.9	46.9	44.0	37.5
PADD 1 .....	51.4	49.9	45.6	46.1	45.9	43.1	43.6	41.6	43.9	46.4	43.7	36.1
PADD 2 .....	52.5	51.3	46.2	47.5	47.3	44.3	44.5	42.5	44.9	47.4	44.4	37.1
PADD 3 .....	49.2	48.1	43.3	44.2	44.1	41.2	41.7	40.1	42.3	44.4	40.8	33.9
PADD 5 .....	54.3	49.5	45.0	47.7	48.3	42.1	43.3	47.5	46.5	48.2	45.4	40.4
<b>Sales for Resale</b>												
U.S. ....	53.4	50.2	45.7	46.6	46.9	43.5	43.8	42.9	44.6	45.8	43.1	36.5
PADD 1 .....	52.8	51.1	46.9	47.4	47.2	44.5	44.8	43.2	44.8	46.8	44.9	36.4
PADD 2 .....	53.1	51.6	47.5	48.7	48.6	46.7	46.1	43.4	46.5	48.4	45.2	37.5
PADD 3 .....	49.9	48.2	43.5	43.6	43.9	41.2	41.1	39.1	41.5	43.2	40.6	33.7
PADD 5 .....	56.8	50.7	46.8	48.5	48.6	43.8	45.9	48.1	47.4	49.1	47.7	42.4
<b>Residual Fuel Oil</b>												
<b>Sales to End Users</b>												
U.S. ....	36.4	33.7	29.8	32.5	32.5	31.7	31.5	29.1	27.7	30.1	30.0	26.4
<b>Sales for Resale</b>												
U.S. ....	32.5	29.5	27.2	30.6	29.6	28.1	29.7	27.0	27.9	28.5	26.3	23.6

See footnotes at end of table.

**Table IE1. Prices for Selected Crude Oil and Petroleum Products  
by Sales Type and PAD District**  
(Crude Oil in Dollars per Barrel, Products in Cents per Gallon Excluding Taxes) — Continued

Products Sales Type Geographic area	1999											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep <sup>a</sup>	Oct	Nov	Dec
<b>Crude Oil</b>												
<b>Refiner Acquisition Cost</b>												
Domestic .....	10.96	10.97	12.29	15.05	16.59	16.30	18.10	19.58	<b>21.60</b>			
Imported .....	10.16	10.22	12.31	14.85	15.57	15.91	17.84	19.61	<b>21.68</b>			
Composite .....	10.47	10.52	12.30	14.92	15.97	16.06	17.94	19.60	<b>21.64</b>			
<b>Motor Gasoline</b>												
<b>Sales to End Users Through Retail Outlets</b>												
<b>Regular</b>												
U.S. ....	53.4	51.6	59.3	72.1	71.9	70.2	75.5	80.8	<b>83.4</b>			
PADD 1 .....	51.1	49.1	53.9	64.7	66.4	65.6	70.5	76.8	<b>80.2</b>			
PADD 2 .....	51.8	49.8	59.5	68.5	69.2	69.0	74.0	78.3	<b>83.6</b>			
PADD 3 .....	49.5	48.4	54.6	64.6	65.6	64.5	69.7	74.5	<b>78.6</b>			
PADD 5 .....	65.8	63.8	74.3	101.9	93.5	85.8	92.5	98.1	<b>92.9</b>			
<b>Sales for Resale</b>												
<b>Regular</b>												
U.S. ....	41.6	40.1	49.6	59.7	58.8	59.0	66.4	71.3	<b>72.1</b>			
PADD 1 .....	40.6	38.7	46.2	55.1	55.5	55.4	62.2	68.0	<b>71.5</b>			
PADD 2 .....	40.3	38.2	49.0	57.4	57.3	57.3	64.2	68.7	<b>73.0</b>			
PADD 3 .....	36.8	35.7	43.4	51.3	51.9	52.3	59.9	65.5	<b>66.1</b>			
PADD 5 .....	51.8	51.2	65.5	86.0	76.6	76.3	85.8	87.4	<b>77.7</b>			
<b>No. 2 Distillate Fuel Oil</b>												
<b>Sales to End Users, Residential</b>												
U.S. ....	80.4	79.8	80.9	82.9	82.1	80.8	81.6	83.1	<b>85.2</b>			
PADD 1 .....	81.3	80.5	81.4	83.1	82.3	81.0	81.6	82.8	<b>85.0</b>			
PADD 2 .....	71.7	71.1	73.8	76.5	75.3	74.4	77.9	82.5	<b>86.3</b>			
PADD 3 .....	53.8	51.0	52.2	NA	59.5	NA	65.0	70.1	<b>67.6</b>			
PADD 5 .....	87.1	87.1	93.6	104.3	101.1	103.2	103.0	NA	<b>92.8</b>			
<b>Sales to End Users Through Retail Outlets<sup>b</sup></b>												
U.S. ....	51.5	50.3	55.0	63.2	63.0	63.6	68.8	73.7	<b>77.1</b>			
PADD 1 .....	52.4	50.7	54.1	60.2	60.2	60.5	66.1	69.9	<b>74.3</b>			
PADD 2 .....	50.6	49.1	54.1	62.5	62.3	62.3	67.7	73.0	<b>77.5</b>			
PADD 3 .....	47.7	47.0	50.6	57.7	58.3	58.2	63.1	67.6	<b>72.4</b>			
PADD 5 .....	61.7	61.8	70.0	82.3	77.8	83.7	86.4	90.6	<b>87.2</b>			
<b>Sales for Resale</b>												
U.S. ....	37.7	36.0	43.3	48.2	47.4	49.9	56.0	61.0	<b>63.6</b>			
PADD 1 .....	38.2	36.0	41.7	46.1	45.0	45.9	52.7	57.4	<b>62.5</b>			
PADD 2 .....	37.4	35.7	43.4	49.6	48.1	48.9	55.4	61.3	<b>67.2</b>			
PADD 3 .....	35.1	32.9	39.2	43.5	43.3	44.3	51.6	56.6	<b>59.9</b>			
PADD 5 .....	41.2	41.5	54.8	59.0	57.3	67.9	69.0	72.7	<b>67.6</b>			
<b>Kerosene-Type Jet Fuel</b>												
<b>Sales to End Users</b>												
U.S. ....	37.8	36.3	39.4	48.3	46.8	50.6	54.6	59.5	<b>63.1</b>			
PADD 1 .....	36.3	34.9	38.8	45.7	45.5	NA	52.7	58.1	<b>62.1</b>			
PADD 2 .....	37.8	36.0	39.4	46.8	46.3	NA	53.9	59.4	<b>62.7</b>			
PADD 3 .....	35.3	33.9	36.9	43.6	42.7	43.6	50.3	55.2	<b>59.0</b>			
PADD 5 .....	40.6	39.3	41.2	54.6	50.9	60.7	59.6	63.2	<b>66.3</b>			
<b>Sales for Resale</b>												
U.S. ....	36.9	35.0	39.3	46.9	47.2	49.3	53.6	58.9	<b>62.6</b>			
PADD 1 .....	36.9	34.9	39.9	47.3	46.8	47.1	53.2	58.0	<b>62.9</b>			
PADD 2 .....	38.1	36.0	40.3	48.2	47.4	47.6	53.2	59.7	<b>63.7</b>			
PADD 3 .....	34.9	31.8	36.9	42.6	43.0	42.8	50.1	56.2	<b>60.0</b>			
PADD 5 .....	41.9	41.4	42.7	53.5	52.5	59.4	59.8	63.7	<b>66.4</b>			
<b>Residual Fuel Oil</b>												
<b>Sales to End Users</b>												
U.S. ....	28.2	26.7	28.5	31.2	34.2	34.3	36.9	43.5	<b>45.7</b>			
<b>Sales for Resale</b>												
U.S. ....	25.2	21.9	25.2	29.5	33.1	32.6	36.1	42.4	<b>44.5</b>			

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

<sup>b</sup> Includes on-highway diesel fuel only.

Notes: Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-14, "Refiners' Monthly Cost Report," EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."



# Summary Statistics

**Table 1. Crude Oil Prices**  
(Dollars per Barrel)

Year Month	Domestic First Purchase Prices	Average F.O.B. <sup>a</sup> Cost of Crude Oil Imports <sup>b</sup>	Average Landed Cost of Crude Oil Imports <sup>b</sup>	Refiner Acquisition Cost of Crude Oil		
				Domestic	Imported	Composite
<b>1978</b> .....	<b>9.00</b>	<b>13.29</b>	<b>14.35</b>	<b>10.61</b>	<b>14.57</b>	<b>12.46</b>
<b>1979</b> .....	<b>12.64</b>	<b>20.07</b>	<b>21.45</b>	<b>14.27</b>	<b>21.67</b>	<b>17.72</b>
<b>1980</b> .....	<b>21.59</b>	<b>32.37</b>	<b>33.67</b>	<b>24.23</b>	<b>33.89</b>	<b>28.07</b>
<b>1981</b> .....	<b>31.77</b>	<b>35.15</b>	<b>36.47</b>	<b>34.33</b>	<b>37.05</b>	<b>35.24</b>
<b>1982</b> .....	<b>28.52</b>	<b>32.02</b>	<b>33.18</b>	<b>31.22</b>	<b>33.55</b>	<b>31.87</b>
<b>1983</b> .....	<b>26.19</b>	<b>27.81</b>	<b>28.93</b>	<b>28.87</b>	<b>29.30</b>	<b>28.99</b>
<b>1984</b> .....	<b>25.88</b>	<b>27.60</b>	<b>28.54</b>	<b>28.53</b>	<b>28.88</b>	<b>28.63</b>
<b>1985</b> .....	<b>24.09</b>	<b>25.84</b>	<b>26.67</b>	<b>26.66</b>	<b>26.99</b>	<b>26.75</b>
<b>1986</b> .....	<b>12.51</b>	<b>12.52</b>	<b>13.49</b>	<b>14.82</b>	<b>14.00</b>	<b>14.55</b>
<b>1987</b> .....	<b>15.40</b>	<b>16.69</b>	<b>17.65</b>	<b>17.76</b>	<b>18.13</b>	<b>17.90</b>
<b>1988</b> .....	<b>12.58</b>	<b>13.25</b>	<b>14.08</b>	<b>14.74</b>	<b>14.56</b>	<b>14.67</b>
<b>1989</b> .....	<b>15.86</b>	<b>16.89</b>	<b>17.68</b>	<b>17.87</b>	<b>18.08</b>	<b>17.97</b>
<b>1990</b> .....	<b>20.03</b>	<b>20.37</b>	<b>21.13</b>	<b>22.59</b>	<b>21.76</b>	<b>22.22</b>
<b>1991</b> .....	<b>16.54</b>	<b>16.89</b>	<b>18.02</b>	<b>19.33</b>	<b>18.70</b>	<b>19.06</b>
<b>1992</b> .....	<b>15.99</b>	<b>16.77</b>	<b>17.75</b>	<b>18.63</b>	<b>18.20</b>	<b>18.43</b>
<b>1993</b> .....	<b>14.25</b>	<b>14.71</b>	<b>15.72</b>	<b>16.67</b>	<b>16.14</b>	<b>16.41</b>
<b>1994</b> .....	<b>13.19</b>	<b>14.18</b>	<b>15.18</b>	<b>15.67</b>	<b>15.51</b>	<b>15.59</b>
<b>1995</b> .....	<b>14.62</b>	<b>15.69</b>	<b>16.78</b>	<b>17.33</b>	<b>17.14</b>	<b>17.23</b>
<b>1996</b> .....	<b>18.46</b>	<b>19.32</b>	<b>20.31</b>	<b>20.77</b>	<b>20.64</b>	<b>20.71</b>
<b>1997</b>						
January .....	21.76	21.19	22.21	24.25	23.02	23.59
February .....	19.38	18.99	19.98	22.49	20.88	21.64
March .....	17.83	17.11	18.45	20.57	19.16	19.82
April .....	16.63	16.20	17.52	19.02	17.83	18.35
May .....	17.23	16.81	17.87	19.08	18.55	18.79
June .....	15.88	15.99	17.12	18.31	17.35	17.80
July .....	15.89	16.37	17.27	18.25	17.49	17.84
August .....	16.19	16.68	17.78	18.47	17.96	18.19
September .....	16.41	16.76	17.85	18.48	17.85	18.14
October .....	17.66	17.26	18.51	19.68	18.73	19.17
November .....	16.83	16.12	17.35	19.23	17.88	18.52
December .....	15.04	14.21	15.70	17.92	15.95	16.91
<b>1997</b> .....	<b>17.23</b>	<b>16.94</b>	<b>18.11</b>	<b>19.61</b>	<b>18.53</b>	<b>19.04</b>
<b>1998</b>						
January .....	13.48	12.76	14.12	15.87	14.55	15.14
February .....	12.16	11.72	13.11	14.77	13.41	14.03
March .....	11.53	11.08	12.39	13.52	12.36	12.87
April .....	11.64	11.18	12.34	13.47	12.85	13.10
May .....	11.49	11.28	12.24	13.52	12.66	13.01
June .....	10.00	10.17	11.27	12.43	11.67	11.98
July .....	10.46	10.37	11.41	12.39	11.56	11.92
August .....	10.18	10.20	11.29	12.45	11.34	11.79
September .....	11.28	11.75	12.47	13.40	12.78	13.04
October .....	11.32	11.00	11.97	13.42	12.12	12.64
November .....	9.65	9.36	10.48	12.49	10.99	11.59
December .....	8.05	8.18	9.30	10.52	9.39	9.84
<b>1998</b> .....	<b>10.88</b>	<b>10.75</b>	<b>11.84</b>	<b>13.21</b>	<b>12.10</b>	<b>12.57</b>
<b>1999</b>						
January .....	8.59	9.15	10.16	10.96	10.16	10.47
February .....	8.58	9.37	10.63	10.97	10.22	10.52
March .....	10.75	11.85	12.92	12.29	12.31	12.30
April .....	12.84	14.14	15.06	15.05	14.85	14.92
May .....	13.84	14.40	15.52	16.59	15.57	15.97
June .....	14.34	15.10	16.10	16.30	15.91	16.06
July .....	16.13	17.24	18.06	18.10	17.84	17.94
August .....	17.57	18.76	19.42	19.58	19.61	19.60
September <sup>c</sup> .....	NA	NA	NA	<sup>E</sup> 21.60	<sup>E</sup> 21.68	<sup>E</sup> 21.64

E = Estimated data.

<sup>a</sup> Free on Board. See Glossary.

<sup>b</sup> Values through 1980 reflect the month of reporting; values since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

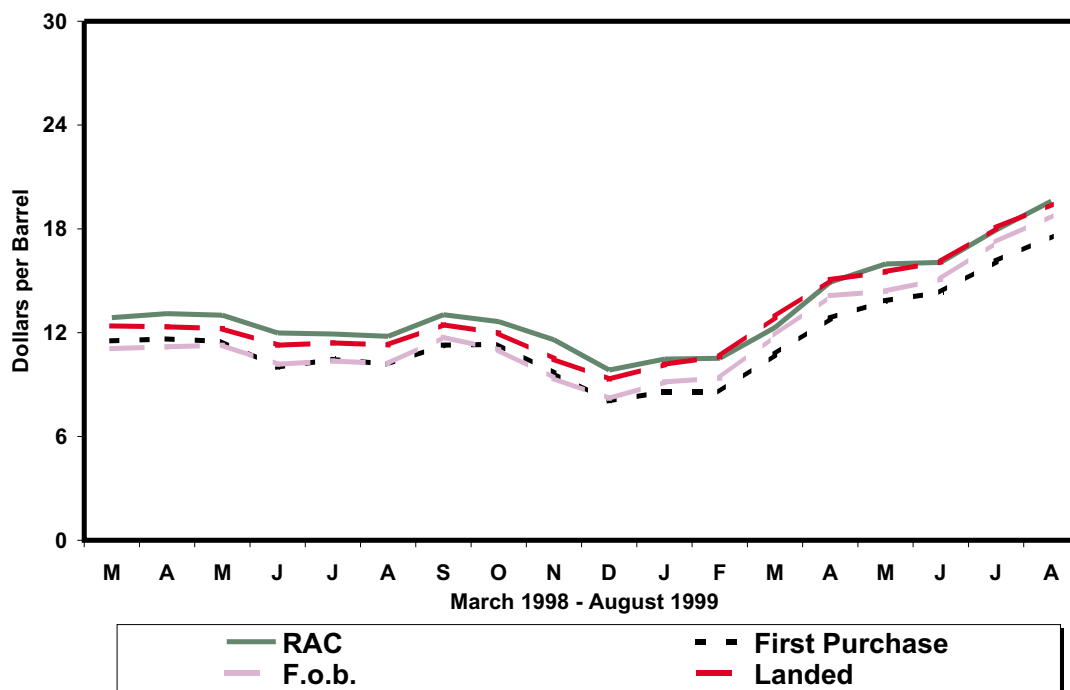
NA = Not available.

<sup>c</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

Notes: Values for Domestic First Purchase and Refiner Acquisition for the current 2 months, and for Average F.O.B. and Average Landed for current 3 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Domestic first purchase prices -- See "Sources" from Table 21. Crude oil imports costs -- See "Sources" from Table 24. Refiner acquisition costs -- Energy Information Administration, Form FEA-P110-M-1, "Refiners' Monthly Cost Allocation Report," January 1978 through June 1978; Form ERA-49, "Domestic Crude Oil Entitlements Program Refiners' Monthly Report," July 1978 through December 1980; Form EIA-14, "Refiners' Monthly Cost Report," January 1981 to present.

**Figure 1. Crude Oil Prices**



Sources: Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."

**Table 2. U.S. Refiner Prices of Petroleum Products to End Users**  
(Cents per Gallon Excluding Taxes)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Average		
1978 .....	48.4	51.6	38.7	33.5	42.1	41.0	37.7	40.0	39.6	31.1	29.8
1979 .....	71.3	68.9	54.7	35.7	58.5	57.2	58.5	51.6	55.1	47.9	43.6
1980 .....	103.5	108.4	86.8	48.2	90.2	83.4	81.8	78.8	80.4	68.2	60.7
1981 .....	114.7	130.3	102.4	56.5	112.3	103.9	99.5	91.4	95.8	79.7	75.6
1982 .....	106.0	131.2	96.3	59.2	108.9	102.3	94.2	90.5	92.5	75.0	67.6
1983 .....	95.4	125.5	87.8	70.9	96.1	96.2	82.6	91.6	83.9	76.6	65.1
1984 .....	90.7	123.4	84.2	73.7	103.6	92.7	82.3	91.6	83.7	79.6	68.7
1985 .....	91.2	120.1	79.6	71.7	103.0	88.0	78.9	84.9	79.9	77.3	61.0
1986 .....	62.4	101.1	52.9	74.5	79.0	62.0	47.8	56.0	49.1	48.9	34.3
1987 .....	66.9	90.7	54.3	70.1	77.0	60.4	55.1	58.1	55.6	51.3	42.3
1988 .....	67.3	89.1	51.3	71.4	73.8	56.4	50.0	54.4	50.7	46.1	33.4
1989 .....	75.6	99.5	59.2	61.5	70.9	66.1	58.5	58.7	58.5	51.2	38.5
1990 .....	88.3	112.0	76.6	74.5	92.3	81.9	72.5	73.4	72.6	62.2	44.4
1991 .....	79.7	104.7	65.2	73.0	83.8	74.0	64.8	66.5	65.0	58.0	34.0
1992 .....	78.7	102.7	61.0	64.3	78.8	66.6	61.9	62.7	62.0	52.6	33.6
1993 .....	75.9	99.0	58.0	67.3	75.4	66.6	60.2	60.2	60.2	50.1	33.7
1994 .....	73.8	95.7	53.4	53.0	66.0	64.0	55.4	57.2	55.6	50.1	35.2
1995 .....	76.5	100.5	54.0	49.2	58.9	62.0	56.0	56.2	56.0	50.5	39.2
1996 .....	84.7	111.6	65.1	60.5	74.0	72.6	68.1	67.3	68.0	60.3	45.5
<b>1997</b>											
January .....	86.6	113.7	74.4	86.1	88.7	77.3	73.0	75.1	73.3	65.8	49.5
February .....	85.9	114.9	71.7	66.8	84.8	76.0	71.1	72.5	71.3	59.6	45.2
March .....	84.0	113.8	61.9	57.3	NA	68.8	65.8	66.4	65.8	54.6	40.3
April .....	83.9	114.7	60.2	49.7	69.8	66.3	64.8	63.8	64.7	55.9	39.7
May .....	84.5	115.7	58.9	46.5	68.5	64.2	63.8	62.9	63.7	53.4	40.3
June .....	83.3	114.6	57.6	46.1	64.5	62.8	60.8	59.2	60.6	52.8	40.1
July .....	81.5	NA	56.7	47.5	63.1	58.6	59.4	57.3	59.1	50.3	39.6
August .....	86.8	114.6	59.1	50.5	64.9	61.8	61.8	59.0	61.5	51.6	40.7
September .....	87.2	115.6	58.2	48.4	63.4	61.1	60.7	58.4	60.4	51.1	41.3
October .....	84.3	113.9	61.5	52.3	72.9	66.8	64.5	63.2	64.3	55.5	43.9
November .....	81.6	113.0	61.2	52.2	77.9	70.1	65.2	64.2	65.0	58.2	45.7
December .....	77.8	107.7	56.3	51.8	75.1	63.8	60.1	59.7	60.1	56.1	40.2
1997 .....	83.9	112.8	61.3	55.2	74.5	68.9	64.2	63.6	64.2	56.5	42.3
<b>1998</b>											
January .....	73.3	104.3	52.3	48.4	72.3	58.5	54.9	54.1	54.8	50.9	35.3
February .....	69.0	101.1	49.9	44.7	68.2	57.7	53.3	53.8	53.3	48.7	32.7
March .....	65.6	98.2	45.3	43.8	65.3	56.0	50.8	53.9	51.1	46.0	28.6
April .....	67.4	98.6	46.6	41.5	56.7	56.3	52.2	53.0	52.3	43.8	31.7
May .....	71.0	99.9	46.7	36.2	56.0	53.0	51.9	48.5	51.4	43.6	31.8
June .....	70.4	99.0	42.8	34.1	46.1	NA	48.7	45.8	48.3	40.8	31.3
July .....	69.4	98.4	43.4	35.8	47.4	NA	47.6	44.8	47.3	38.4	31.4
August .....	66.7	95.9	43.6	33.5	41.5	NA	46.3	43.1	45.8	36.2	28.7
September .....	65.4	94.1	44.9	37.4	46.2	NA	49.5	47.2	49.2	39.9	27.6
October .....	66.4	95.1	46.9	40.7	50.6	57.9	50.0	47.8	49.7	43.1	29.7
November .....	64.0	93.2	44.0	42.3	44.6	56.2	47.2	46.7	47.1	43.3	29.3
December .....	60.0	88.5	37.5	36.2	42.4	50.2	41.9	43.4	42.1	39.4	25.4
1998 .....	67.3	97.2	45.3	40.5	50.2	55.2	49.5	48.1	49.3	42.8	30.2
<b>1999</b>											
January .....	59.2	87.0	37.8	42.5	47.2	NA	41.4	45.2	42.1	39.4	27.2
February .....	56.8	85.0	36.3	39.3	46.8	NA	40.3	40.4	40.3	38.6	25.8
March .....	65.1	89.7	39.4	41.1	50.4	NA	46.0	46.0	46.0	40.2	27.5
April .....	79.0	101.3	48.3	45.1	48.9	NA	52.5	49.9	52.2	43.5	30.9
May .....	78.2	103.5	46.8	42.4	49.5	NA	52.1	NA	51.5	NA	34.6
June .....	75.6	103.3	50.6	38.7	46.3	NA	53.3	NA	52.5	43.1	34.3
July .....	80.6	110.0	54.6	41.1	58.2	59.9	59.0	53.6	58.3	46.3	36.1
August .....	85.5	114.7	59.5	43.1	62.4	66.5	64.3	59.1	63.7	50.6	43.6

NA = Not available.

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

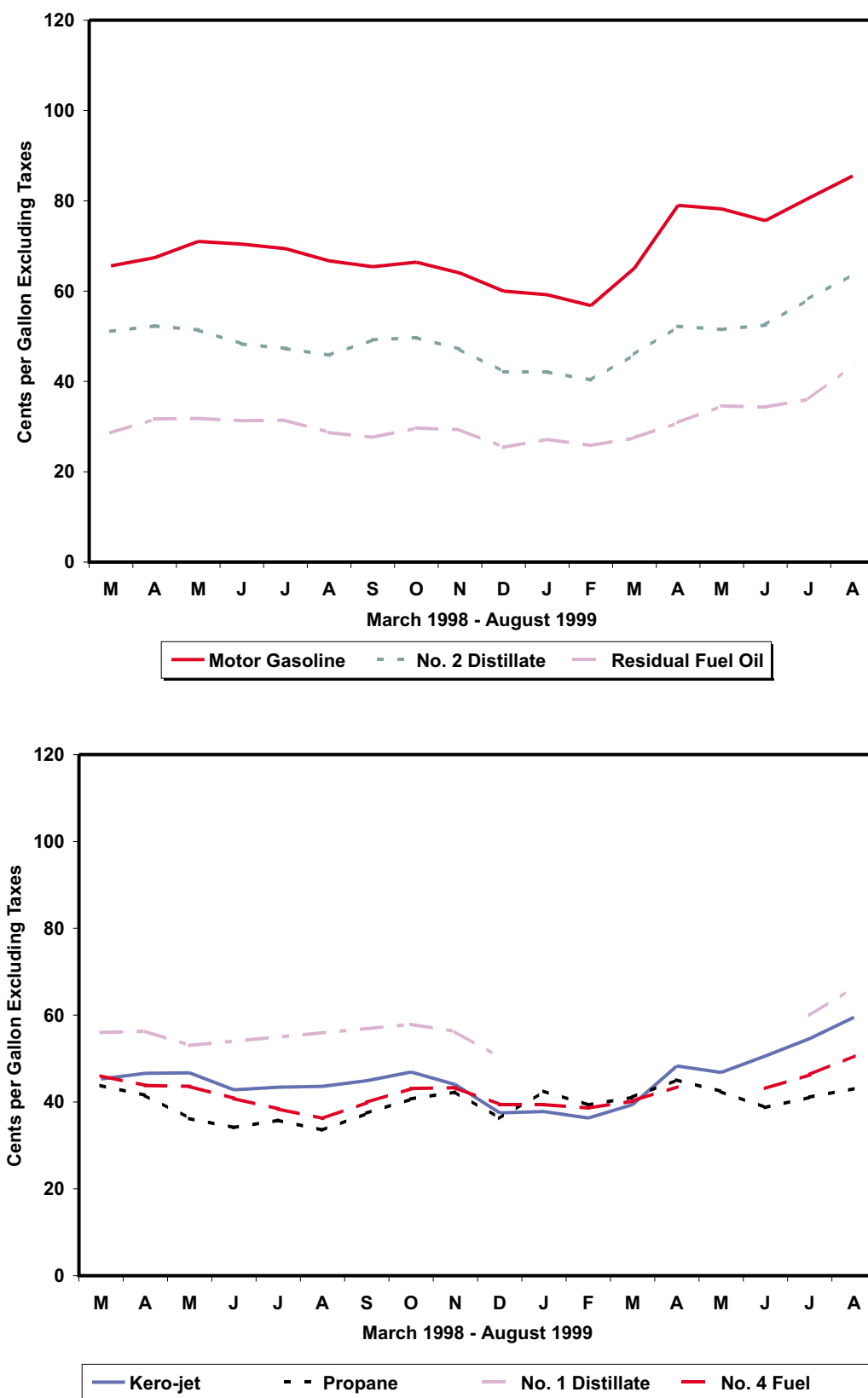
Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.



**Figure 2. U.S. Refiner Retail Petroleum Product Prices**



Source: Energy Information Administration, Form EIA-782A, "Refiners' /Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 3. U.S. Refiner Volumes of Petroleum Products to End Users**  
(Million Gallons per Day)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Total		
<b>1983</b> .....	51.1	0.4	30.8	3.1	0.2	0.5	23.3	3.7	27.0	0.7	28.3
<b>1984</b> .....	57.6	0.3	32.9	3.3	0.3	0.5	26.3	4.9	31.2	0.7	32.9
<b>1985</b> .....	57.5	0.3	34.6	3.7	0.3	0.5	25.0	5.0	29.9	0.5	25.2
<b>1986</b> .....	61.2	0.3	35.1	3.4	0.3	0.4	24.4	4.4	28.8	0.7	31.6
<b>1987</b> .....	61.0	0.2	36.8	3.8	0.3	0.4	24.1	4.5	28.5	0.8	29.0
<b>1988</b> .....	61.0	0.2	38.2	4.3	0.3	0.4	24.5	4.6	29.1	1.1	30.2
<b>1989</b> .....	61.2	0.2	40.1	2.8	0.3	0.5	24.3	4.5	28.8	0.9	30.4
<b>1990</b> .....	60.3	0.2	39.9	2.7	0.2	0.5	22.2	3.6	25.9	0.8	25.9
<b>1991</b> .....	61.2	0.2	38.5	3.1	0.2	0.5	21.1	3.2	24.4	0.7	24.0
<b>1992</b> .....	59.0	0.2	39.8	3.8	0.2	0.5	21.5	3.1	24.6	0.6	22.4
<b>1993</b> .....	57.2	0.2	41.7	3.5	0.2	0.4	20.8	2.9	23.8	0.6	17.2
<b>1994</b> .....	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8	13.5
<b>1995</b> .....	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5	11.6
<b>1996</b> .....	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4	12.9
<b>1997</b>											
January .....	54.4	0.1	46.0	3.2	0.5	0.8	22.0	3.8	25.9	0.6	13.8
February .....	57.3	0.1	47.8	3.7	0.4	0.6	22.3	2.8	25.1	0.4	14.1
March .....	58.4	0.2	48.2	3.3	NA	0.3	22.2	2.6	24.8	0.3	13.6
April .....	58.9	0.2	49.1	3.4	0.3	0.2	23.6	2.9	26.5	0.2	11.5
May .....	57.8	0.2	49.8	2.9	0.2	0.2	22.6	2.7	25.2	0.2	10.7
June .....	59.8	0.2	52.0	2.3	0.2	0.2	21.6	2.5	24.1	0.2	12.3
July .....	65.3	NA	51.7	2.1	0.1	0.2	21.6	3.0	24.6	0.3	13.5
August .....	64.8	0.2	52.0	2.3	0.2	0.2	20.9	3.0	23.9	0.2	12.1
September .....	63.7	0.2	51.3	3.1	0.3	0.2	23.1	2.9	26.0	0.2	12.6
October .....	64.4	0.2	49.8	3.5	0.2	0.3	23.1	3.1	26.2	0.3	15.1
November .....	62.3	0.1	48.9	3.8	0.3	0.4	20.5	3.1	23.7	0.4	14.4
December .....	66.0	0.1	49.7	4.4	0.3	0.6	20.9	3.5	24.4	0.4	17.5
<b>1997</b> .....	<b>61.1</b>	<b>0.2</b>	<b>49.7</b>	<b>3.2</b>	<b>0.3</b>	<b>0.4</b>	<b>22.0</b>	<b>3.0</b>	<b>25.0</b>	<b>0.3</b>	<b>13.4</b>
<b>1998</b>											
January .....	59.9	0.1	47.2	4.6	0.3	0.7	20.4	3.4	23.8	0.4	15.5
February .....	62.3	0.1	47.9	4.9	0.3	0.6	21.1	3.0	24.1	0.4	13.5
March .....	64.3	0.1	47.6	4.1	0.3	0.4	22.3	2.6	24.9	0.4	15.5
April .....	64.7	0.2	48.6	3.0	0.2	0.3	21.3	2.4	23.6	0.3	14.4
May .....	65.6	0.2	49.4	2.3	0.1	0.3	20.5	3.2	23.7	0.3	13.2
June .....	66.8	0.2	51.3	2.2	0.3	NA	22.6	3.8	26.5	0.3	13.8
July .....	67.3	0.2	51.7	1.9	0.3	NA	22.8	3.1	25.9	0.4	16.0
August .....	66.9	0.2	51.5	2.4	0.6	NA	21.2	3.7	25.0	0.4	17.8
September .....	65.2	0.2	48.0	2.3	0.4	NA	22.4	3.3	25.7	0.3	13.0
October .....	65.1	0.2	50.6	2.7	0.3	0.4	22.0	3.4	25.4	0.2	14.0
November .....	63.7	0.1	45.6	2.7	0.7	0.5	20.2	3.3	23.5	0.3	14.2
December .....	65.4	0.1	47.7	4.4	0.7	0.6	20.6	3.4	24.0	0.4	18.1
<b>1998</b> .....	<b>64.8</b>	<b>0.2</b>	<b>48.9</b>	<b>3.1</b>	<b>0.4</b>	<b>0.4</b>	<b>21.4</b>	<b>3.2</b>	<b>24.7</b>	<b>0.3</b>	<b>15.0</b>
<b>1999</b>											
January .....	59.5	0.1	43.2	4.3	0.8	NA	18.7	3.8	22.5	0.5	17.1
February .....	63.6	0.1	46.5	4.5	0.6	NA	21.3	3.9	25.3	0.5	16.2
March .....	63.6	0.1	47.9	4.4	0.4	NA	21.7	3.7	25.4	0.4	14.7
April .....	64.3	0.2	49.0	3.7	0.4	NA	21.6	3.3	24.9	0.2	14.1
May .....	64.5	0.1	50.3	2.3	0.1	NA	20.6	NA	23.7	NA	14.7
June .....	66.2	0.2	51.8	2.2	0.1	NA	21.6	NA	25.0	0.3	11.8
July .....	68.0	0.2	50.9	2.7	0.1	0.1	20.2	2.6	22.8	0.4	14.7
August .....	63.5	0.2	50.6	4.9	0.2	0.1	20.7	2.7	23.4	0.3	15.1

NA = Not available.

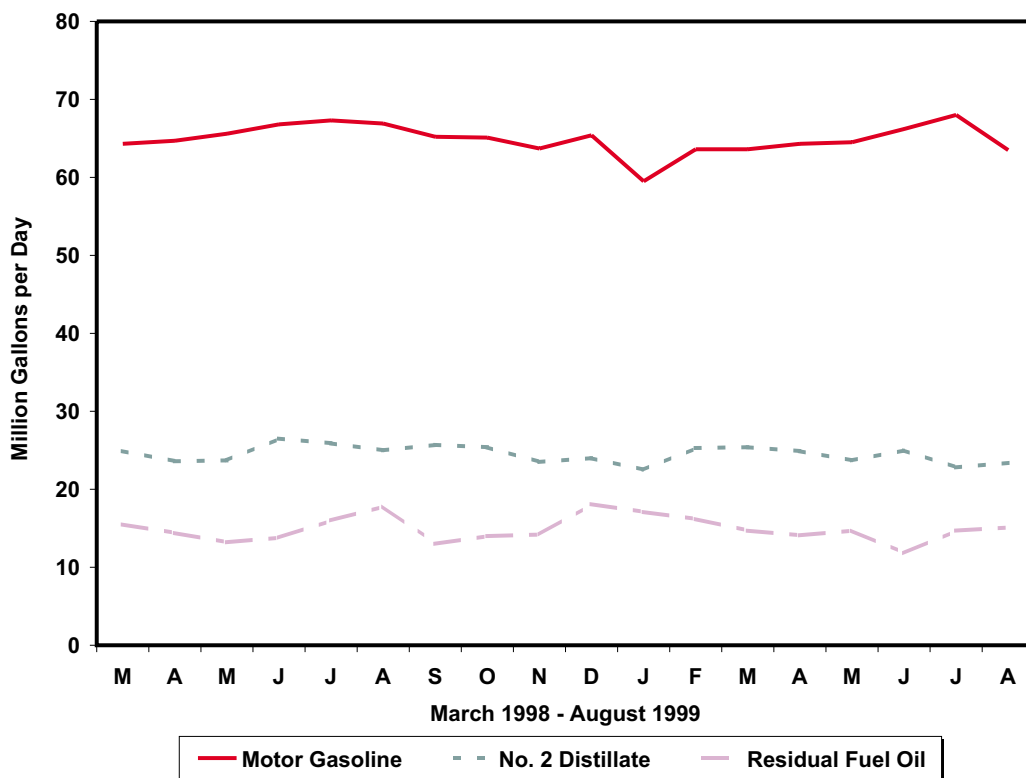
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

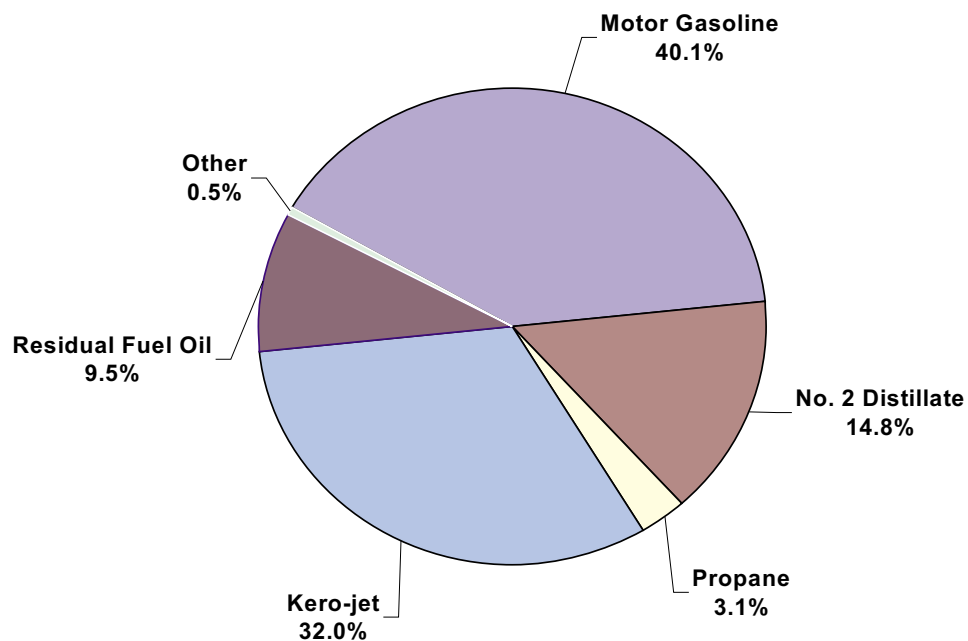
Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 3. U.S. Refiner Retail Petroleum Product Volumes**



**Percentages of Refiner Retail Volumes**



Source: Energy Information Administration, Form EIA-782A, "Refiners' /Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 4. U.S. Refiner Prices of Petroleum Products for Resale**  
(Cents per Gallon Excluding Taxes)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Average		
1978 .....	43.4	53.7	38.6	23.7	40.4	40.6	36.5	36.9	36.7	30.5	26.3
1979 .....	63.7	72.1	66.0	29.1	62.4	58.3	57.4	56.9	57.1	47.0	39.9
1980 .....	94.1	112.8	86.8	41.5	86.4	88.0	80.1	80.3	80.2	67.0	52.8
1981 .....	106.4	125.0	101.2	46.6	106.6	107.1	97.2	97.6	97.4	78.3	66.3
1982 .....	97.3	122.8	95.3	42.7	101.8	103.8	91.4	91.4	91.4	73.7	61.2
1983 .....	88.2	117.8	85.4	48.4	89.2	89.6	80.8	81.5	81.2	72.6	60.9
1984 .....	83.2	116.5	83.0	45.0	91.6	89.2	80.3	82.1	81.3	70.7	65.4
1985 .....	83.5	113.0	79.4	39.8	87.4	86.3	77.2	77.6	77.4	67.2	57.7
1986 .....	53.1	91.2	49.5	29.0	60.6	57.9	45.2	48.6	47.0	40.9	30.5
1987 .....	58.9	85.9	53.8	25.2	59.2	59.9	53.4	52.7	53.1	46.2	38.5
1988 .....	57.7	85.0	49.5	24.0	54.9	54.9	47.3	47.3	47.3	42.5	30.0
1989 .....	65.4	95.0	58.3	24.7	66.9	66.8	56.7	56.5	56.6	48.0	36.0
1990 .....	78.6	106.3	77.3	38.6	83.9	83.8	69.4	69.7	69.5	59.0	41.3
1991 .....	69.9	100.1	65.0	34.9	72.3	73.0	61.5	62.2	61.8	55.6	31.4
1992 .....	67.7	99.1	60.5	32.8	63.2	65.2	59.1	57.9	58.5	49.5	30.8
1993 .....	62.6	96.5	57.7	35.1	60.4	64.6	57.0	54.4	55.9	48.8	29.3
1994 .....	59.9	93.3	53.4	32.4	61.8	61.5	52.9	50.6	52.2	46.2	31.7
1995 .....	62.6	97.5	53.9	34.4	58.0	62.5	53.8	51.1	53.0	46.3	36.3
1996 .....	71.3	105.5	64.6	46.1	71.4	75.1	65.9	63.9	65.3	60.3	42.0
<b>1997</b>											
January .....	75.0	109.0	73.8	60.2	77.7	78.9	69.8	69.8	69.8	63.7	42.9
February .....	73.0	108.7	71.5	44.7	73.9	77.2	67.8	64.5	66.6	58.8	39.3
March .....	71.4	107.9	61.8	41.3	63.5	73.1	62.4	57.7	61.0	53.7	35.8
April .....	70.4	108.5	60.6	37.7	62.1	70.6	61.7	58.6	61.0	49.7	36.1
May .....	71.3	108.2	59.4	36.9	60.4	69.8	60.7	58.8	60.2	52.9	35.8
June .....	68.4	105.9	58.1	36.4	57.4	66.7	56.6	54.5	56.1	47.0	36.7
July .....	67.5	104.7	56.9	35.9	56.8	63.8	55.8	53.8	55.4	46.0	36.5
August .....	75.0	109.0	59.1	37.5	60.6	67.6	58.9	55.3	58.1	52.6	38.3
September .....	72.3	109.0	58.9	39.5	60.2	67.4	57.8	54.3	57.0	54.1	38.7
October .....	68.5	104.7	61.1	41.1	63.8	72.1	61.7	59.0	61.2	56.8	42.0
November .....	65.9	102.0	61.3	39.6	62.6	71.0	61.5	58.4	60.7	57.3	43.5
December .....	61.7	99.1	55.6	37.5	57.8	64.1	55.0	53.4	54.6	49.0	35.6
1997 .....	70.0	106.5	61.3	41.6	65.3	72.3	60.6	59.0	60.2	55.1	38.7
<b>1998</b>											
January .....	57.6	96.2	53.4	35.4	52.8	57.1	49.6	48.9	49.4	45.9	31.1
February .....	55.1	92.0	50.2	33.1	51.6	56.4	48.3	47.7	48.1	43.6	28.2
March .....	52.3	90.4	45.7	31.2	47.6	54.3	45.8	44.9	45.6	37.5	26.4
April .....	54.9	90.9	46.6	30.3	46.3	57.6	48.2	44.9	47.4	41.7	30.3
May .....	57.9	94.0	46.9	29.3	45.8	56.4	47.0	43.4	46.1	40.3	29.4
June .....	55.6	93.7	43.5	26.6	42.9	52.0	43.6	39.9	42.9	36.5	27.9
July .....	54.3	93.6	43.8	25.7	41.7	50.2	42.6	38.8	41.9	37.5	29.6
August .....	50.6	91.7	42.9	25.7	40.7	51.3	41.4	36.9	40.5	36.0	26.5
September .....	50.9	89.8	44.6	26.3	45.9	53.3	45.6	41.8	44.9	36.1	27.9
October .....	52.4	90.7	45.8	27.6	46.2	53.7	45.5	41.2	44.6	35.3	28.3
November .....	47.7	77.5	43.1	27.7	44.4	49.4	41.4	38.9	40.9	36.8	25.8
December .....	42.6	78.9	36.5	25.7	38.8	43.4	35.6	34.6	35.3	30.2	23.2
1998 .....	52.7	90.2	45.0	28.8	46.5	51.4	44.4	42.2	43.9	37.9	27.9
<b>1999</b>											
January .....	44.1	80.9	36.9	26.5	42.6	46.9	36.5	36.3	36.4	34.4	25.2
February .....	42.6	78.9	35.0	26.2	38.3	44.7	35.5	33.0	34.8	29.7	21.8
March .....	51.9	86.8	39.3	26.9	43.9	49.1	43.6	39.7	42.7	32.6	24.9
April .....	62.3	98.8	46.9	28.6	48.5	56.2	48.7	44.5	47.9	38.2	29.5
May .....	61.6	97.8	47.2	29.0	45.2	56.7	47.8	43.7	47.1	NA	32.1
June .....	61.1	95.0	49.3	29.6	46.8	57.0	50.3	44.2	49.3	39.1	31.9
July .....	68.7	103.0	53.6	34.6	53.5	61.8	56.6	51.4	55.7	43.5	35.6
August .....	73.7	107.3	58.9	38.3	59.3	66.9	61.5	56.4	60.6	49.5	42.0

NA = Not available.

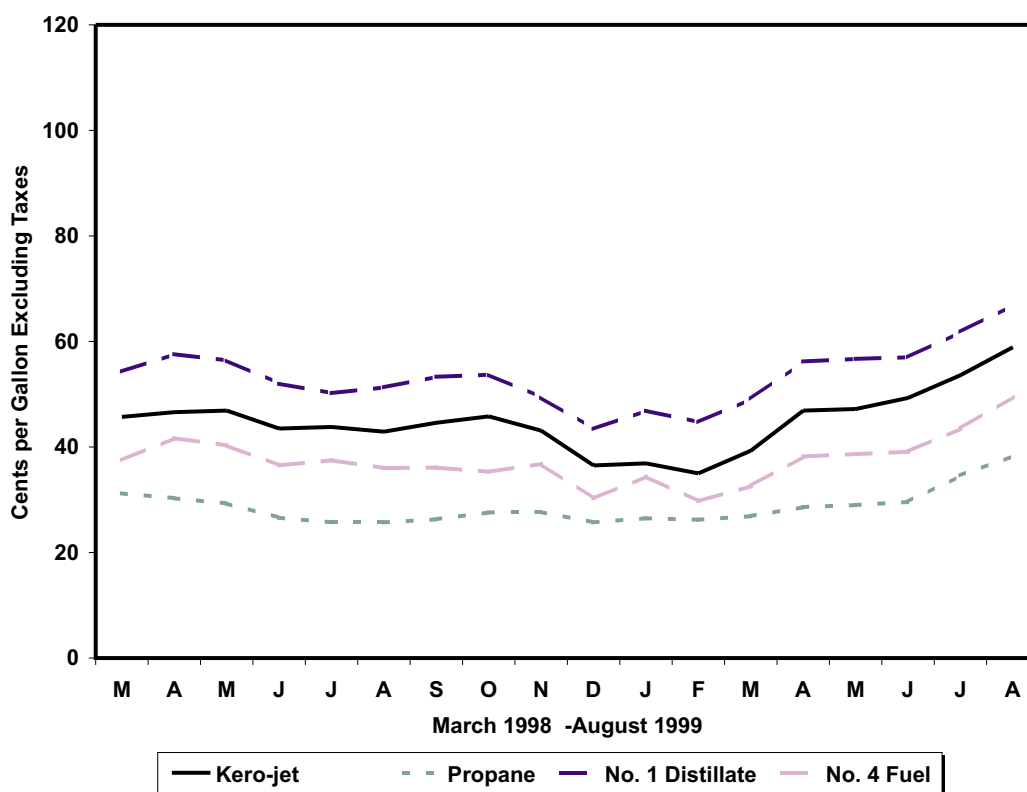
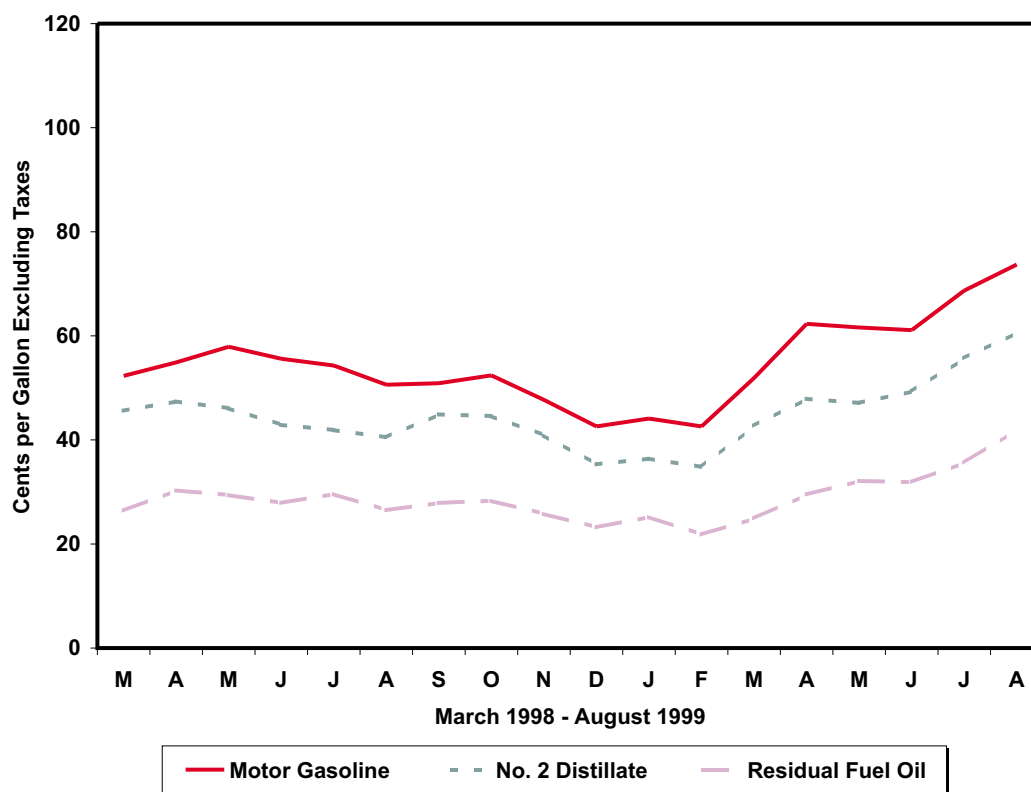
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Figure 4. U.S. Refiner Wholesale Petroleum Product Prices**



Source: Energy Information Administration, Form EIA-782A, "Refiners' /Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 5. U.S. Refiner Volumes of Petroleum Products for Resale**  
(Million Gallons per Day)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Total		
<b>1983</b> .....	<b>242.5</b>	<b>0.7</b>	<b>5.4</b>	<b>26.0</b>	<b>2.5</b>	<b>2.4</b>	<b>38.1</b>	<b>47.3</b>	<b>85.5</b>	<b>0.9</b>	<b>20.2</b>
<b>1984</b> .....	<b>246.3</b>	<b>0.8</b>	<b>6.6</b>	<b>26.7</b>	<b>2.2</b>	<b>2.6</b>	<b>42.8</b>	<b>51.4</b>	<b>94.2</b>	<b>1.7</b>	<b>21.3</b>
<b>1985</b> .....	<b>256.9</b>	<b>0.7</b>	<b>7.6</b>	<b>29.2</b>	<b>2.4</b>	<b>2.7</b>	<b>43.3</b>	<b>53.9</b>	<b>97.3</b>	<b>1.2</b>	<b>19.9</b>
<b>1986</b> .....	<b>257.2</b>	<b>0.7</b>	<b>9.2</b>	<b>26.3</b>	<b>2.4</b>	<b>2.5</b>	<b>46.4</b>	<b>53.8</b>	<b>100.3</b>	<b>1.2</b>	<b>18.6</b>
<b>1987</b> .....	<b>257.2</b>	<b>0.8</b>	<b>10.1</b>	<b>27.0</b>	<b>2.3</b>	<b>2.0</b>	<b>44.3</b>	<b>49.3</b>	<b>93.6</b>	<b>1.5</b>	<b>16.9</b>
<b>1988</b> .....	<b>263.7</b>	<b>0.7</b>	<b>10.0</b>	<b>27.7</b>	<b>2.7</b>	<b>2.6</b>	<b>47.8</b>	<b>50.1</b>	<b>97.9</b>	<b>1.2</b>	<b>18.9</b>
<b>1989</b> .....	<b>260.7</b>	<b>0.7</b>	<b>8.6</b>	<b>25.9</b>	<b>2.7</b>	<b>2.7</b>	<b>50.7</b>	<b>46.7</b>	<b>97.5</b>	<b>1.2</b>	<b>21.0</b>
<b>1990</b> .....	<b>264.8</b>	<b>0.7</b>	<b>8.8</b>	<b>25.5</b>	<b>2.2</b>	<b>2.4</b>	<b>51.9</b>	<b>45.9</b>	<b>97.8</b>	<b>0.8</b>	<b>17.9</b>
<b>1991</b> .....	<b>261.3</b>	<b>0.7</b>	<b>8.7</b>	<b>25.4</b>	<b>2.1</b>	<b>2.4</b>	<b>51.5</b>	<b>46.9</b>	<b>98.3</b>	<b>0.4</b>	<b>17.8</b>
<b>1992</b> .....	<b>265.4</b>	<b>0.7</b>	<b>8.0</b>	<b>26.7</b>	<b>2.2</b>	<b>2.3</b>	<b>50.8</b>	<b>48.9</b>	<b>99.7</b>	<b>0.4</b>	<b>15.2</b>
<b>1993</b> .....	<b>266.9</b>	<b>0.6</b>	<b>8.3</b>	<b>27.9</b>	<b>2.3</b>	<b>2.3</b>	<b>58.0</b>	<b>43.6</b>	<b>101.7</b>	<b>0.4</b>	<b>12.6</b>
<b>1994</b> .....	<b>276.7</b>	<b>0.7</b>	<b>9.1</b>	<b>28.4</b>	<b>2.5</b>	<b>1.9</b>	<b>72.4</b>	<b>32.9</b>	<b>105.3</b>	<b>0.4</b>	<b>12.8</b>
<b>1995</b> .....	<b>288.8</b>	<b>0.6</b>	<b>9.9</b>	<b>30.6</b>	<b>2.4</b>	<b>1.7</b>	<b>75.9</b>	<b>31.0</b>	<b>106.9</b>	<b>0.3</b>	<b>13.6</b>
<b>1996</b> .....	<b>293.6</b>	<b>0.6</b>	<b>11.5</b>	<b>32.9</b>	<b>2.7</b>	<b>1.8</b>	<b>83.7</b>	<b>33.1</b>	<b>116.8</b>	<b>0.3</b>	<b>13.8</b>
<b>1997</b>											
January .....	272.8	0.4	11.1	44.9	5.4	4.7	80.8	47.7	128.5	0.5	14.1
February .....	285.4	0.5	10.3	38.4	3.6	2.7	78.7	42.3	121.1	0.4	13.9
March .....	287.1	0.5	10.3	28.1	2.1	1.1	84.4	35.7	120.1	0.3	9.4
April .....	293.0	0.6	9.5	25.8	1.3	0.4	91.1	29.9	121.0	0.3	10.5
May .....	293.3	0.7	9.9	24.8	1.0	0.3	88.6	25.7	114.3	0.1	8.2
June .....	293.5	0.8	10.8	24.3	0.8	0.4	91.2	27.4	118.6	0.2	10.4
July .....	307.9	0.9	10.8	26.6	1.3	0.4	92.1	25.3	117.3	0.1	10.9
August .....	304.0	0.8	12.6	28.7	1.2	0.5	87.0	25.0	112.0	0.2	12.1
September .....	290.4	0.7	10.4	32.4	1.9	0.9	94.0	27.0	121.0	0.1	11.6
October .....	299.6	0.6	11.7	34.7	2.7	1.6	100.0	26.1	126.0	0.1	12.4
November .....	286.4	0.5	13.9	35.8	4.0	3.1	85.9	27.7	113.6	0.1	11.8
December .....	298.4	0.5	14.2	42.5	4.9	3.2	90.2	35.5	125.7	0.3	12.9
<b>1997</b> .....	<b>292.7</b>	<b>0.6</b>	<b>11.3</b>	<b>32.2</b>	<b>2.5</b>	<b>1.6</b>	<b>88.7</b>	<b>31.2</b>	<b>119.9</b>	<b>0.2</b>	<b>11.5</b>
<b>1998</b>											
January .....	279.7	0.4	11.4	38.8	4.4	3.1	84.6	34.3	119.0	0.2	14.0
February .....	285.9	0.5	11.4	38.9	3.9	1.7	84.2	35.3	119.4	0.2	10.2
March .....	291.1	0.6	12.6	33.9	2.9	1.1	88.5	32.0	120.5	0.3	12.7
April .....	310.5	0.7	12.7	29.1	1.7	0.3	89.6	27.3	116.9	0.1	17.4
May .....	311.1	0.7	11.0	25.0	1.1	0.2	87.2	28.6	115.8	0.1	14.5
June .....	323.9	0.8	13.2	28.8	1.3	0.3	101.8	23.5	125.3	0.1	18.2
July .....	321.9	0.9	11.6	26.8	1.1	0.3	100.9	22.0	122.8	NA	19.4
August .....	308.4	0.7	12.4	27.7	0.9	0.4	94.8	20.9	115.8	NA	16.5
September .....	299.2	0.7	10.8	31.8	1.4	0.9	96.6	21.0	117.5	0.1	17.4
October .....	298.7	0.7	13.3	37.7	2.0	1.4	97.2	25.8	123.0	0.1	17.2
November .....	291.1	0.6	15.1	34.2	2.5	2.6	93.6	24.6	118.1	0.2	14.1
December .....	303.6	0.5	13.8	44.0	3.3	3.8	93.5	31.5	125.1	0.2	15.0
<b>1998</b> .....	<b>302.2</b>	<b>0.6</b>	<b>12.4</b>	<b>33.0</b>	<b>2.2</b>	<b>1.4</b>	<b>92.7</b>	<b>27.2</b>	<b>119.9</b>	<b>0.1</b>	<b>15.6</b>
<b>1999</b>											
January .....	265.0	0.4	14.1	47.7	4.6	4.1	83.3	34.8	118.1	0.2	18.0
February .....	290.3	0.5	14.9	36.7	3.1	2.5	91.8	38.0	129.8	0.3	17.6
March .....	304.2	0.6	12.1	36.4	2.6	1.3	97.9	31.1	129.1	0.3	11.3
April .....	312.2	0.7	13.3	28.1	1.0	0.4	98.9	23.6	122.5	0.2	17.0
May .....	313.0	0.7	10.5	25.3	1.1	0.3	98.7	21.0	119.6	NA	9.6
June .....	324.6	1.0	14.0	27.7	0.8	0.3	107.8	21.4	129.2	0.1	10.1
July .....	317.5	1.0	14.6	28.9	0.8	0.5	88.4	18.5	106.9	0.1	11.3
August .....	307.7	0.9	14.6	30.1	0.9	0.7	93.3	20.2	113.5	0.1	7.9

NA = Not available.

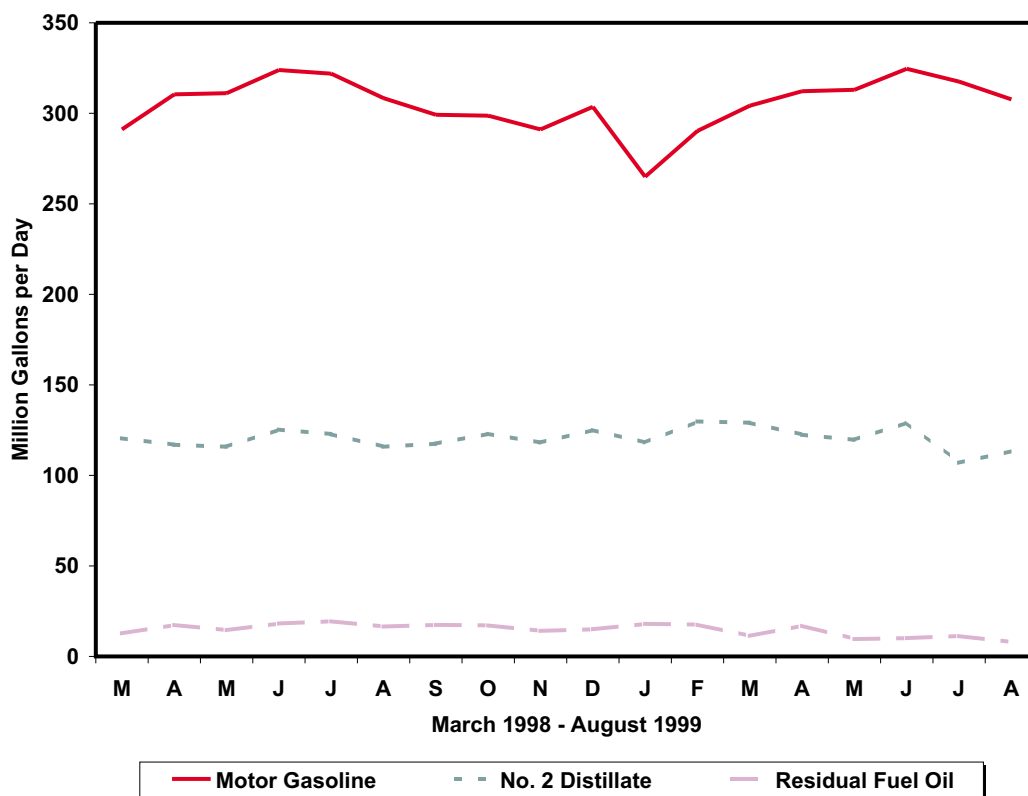
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

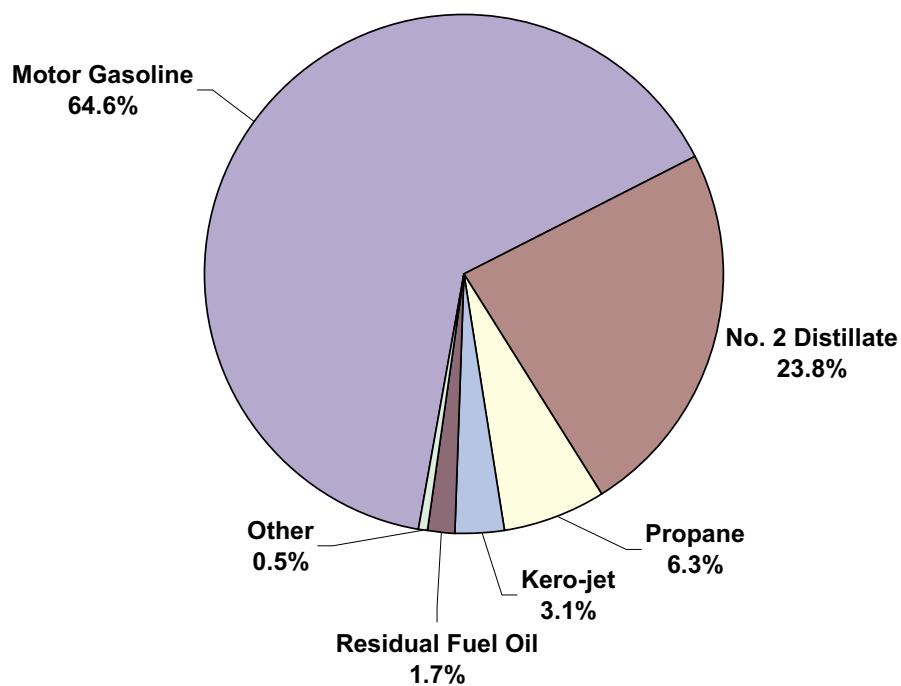
Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 5. U.S. Refiner Wholesale Petroleum Product Volumes**



**Percentages of Refiner Wholesale Volumes**



Source: Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 6. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1983</b> .....	98.0	97.0	-	-	-	89.5	-	-	-	-	-	-
<b>1984</b> .....	92.2	91.4	-	-	-	84.2	-	-	-	-	-	-
<b>1985</b> .....	92.5	91.7	-	-	-	84.3	-	-	-	-	-	-
<b>1986</b> .....	62.4	61.6	-	-	-	52.2	-	-	-	-	-	-
<b>1987</b> .....	65.9	65.0	-	-	-	56.9	-	-	-	-	-	-
<b>1988</b> .....	64.9	64.1	-	-	-	54.8	-	-	-	-	-	-
<b>1989</b> .....	72.0	71.4	-	-	-	61.8	79.6	79.3	-	-	-	68.6
<b>1990</b> .....	85.3	84.9	-	-	-	75.8	92.3	92.1	-	-	-	81.4
<b>1991</b> .....	76.4	76.1	-	-	-	67.2	84.7	84.3	-	-	-	73.3
<b>1992</b> .....	74.6	74.3	-	-	-	64.5	83.1	82.7	-	-	-	70.8
<b>1993</b> .....	71.6	71.2	-	-	-	59.3	81.0	80.5	-	-	-	66.0
<b>1994</b> .....	69.5	68.9	64.6	54.7	50.2	56.6	79.1	78.5	70.4	58.4	NA	63.8
<b>1995</b> .....	72.3	71.7	68.2	57.6	53.4	59.3	81.3	80.8	73.7	61.9	NA	67.0
<b>1996</b> .....	81.2	80.7	77.0	67.2	62.2	68.5	90.1	89.6	82.4	70.9	NA	75.9
<b>1997</b> .....												
January .....	83.0	82.5	77.2	71.9	67.8	72.4	92.4	92.0	82.9	76.1	W	79.1
February .....	82.4	81.9	77.3	69.3	65.8	70.4	91.9	91.5	82.8	73.2	W	77.5
March .....	80.4	79.9	76.6	66.9	64.9	68.7	90.1	89.7	82.3	71.0	74.8	76.0
April .....	80.3	79.7	77.7	65.5	62.4	67.7	89.9	89.6	82.9	69.6	W	75.4
May .....	81.0	80.5	76.5	67.6	62.3	68.6	90.2	89.9	82.3	70.8	W	75.7
June .....	79.7	79.2	74.9	63.9	58.9	65.6	89.1	88.7	80.8	67.2	W	73.0
July .....	77.9	77.4	72.4	63.9	57.9	64.8	87.3	86.9	78.4	67.5	W	71.9
August .....	83.2	82.8	79.2	71.4	66.1	72.2	92.7	92.3	85.4	75.3	W	79.5
September .....	83.6	83.1	81.2	67.1	63.4	69.5	93.2	92.9	87.4	71.0	W	77.9
October .....	80.8	80.3	78.2	63.2	59.6	65.7	90.5	90.1	84.1	67.2	W	74.2
November .....	78.1	77.6	75.1	60.6	56.0	63.1	87.7	87.4	80.9	64.6	W	71.5
December .....	74.1	73.5	70.7	56.3	53.3	58.9	83.9	83.6	76.7	60.7	W	67.4
<b>1997</b> .....	<b>80.3</b>	<b>79.8</b>	<b>76.4</b>	<b>65.6</b>	<b>61.5</b>	<b>67.3</b>	<b>89.8</b>	<b>89.5</b>	<b>82.2</b>	<b>69.4</b>	<b>71.1</b>	<b>74.9</b>
<b>1998</b> .....												
January .....	69.7	69.2	66.0	52.2	50.4	54.8	78.6	78.2	72.1	56.6	W	63.2
February .....	65.2	64.8	60.4	50.9	48.3	52.5	74.8	74.5	66.3	54.8	W	59.7
March .....	61.7	61.4	55.9	48.4	46.0	49.7	71.2	70.9	62.1	52.3	W	56.4
April .....	63.6	63.3	58.1	51.6	48.5	52.4	73.0	72.7	64.2	55.6	W	59.2
May .....	67.3	67.0	63.1	54.3	49.7	55.3	76.5	76.3	69.0	58.1	W	62.6
June .....	66.7	66.3	62.0	51.6	46.9	52.9	76.2	75.9	68.1	55.4	W	60.6
July .....	65.5	65.1	61.1	50.2	45.5	51.5	75.2	74.9	67.0	53.9	W	59.0
August .....	62.8	62.3	58.8	45.6	41.9	47.6	72.8	72.4	64.8	49.5	W	55.5
September .....	61.5	61.0	57.6	46.5	42.3	48.1	71.4	71.1	63.6	50.3	W	55.6
October .....	62.4	62.0	58.1	48.0	43.5	49.5	72.1	71.8	64.2	52.5	NA	57.2
November .....	59.8	59.3	56.9	42.0	39.5	44.7	70.0	69.7	63.1	46.4	W	53.1
December .....	55.7	55.2	54.0	36.3	33.8	39.5	66.2	65.9	60.4	40.8	W	48.6
<b>1998</b> .....	<b>63.5</b>	<b>63.1</b>	<b>59.4</b>	<b>48.1</b>	<b>45.0</b>	<b>49.9</b>	<b>73.1</b>	<b>72.8</b>	<b>65.4</b>	<b>52.1</b>	<b>NA</b>	<b>57.5</b>
<b>1999</b> .....												
January .....	54.9	54.4	52.6	38.8	34.9	41.1	64.4	64.2	59.0	43.1	NA	49.6
February .....	52.7	52.1	50.8	37.1	34.8	39.6	62.9	62.6	57.3	41.4	W	47.8
March .....	61.5	61.0	59.1	47.7	42.5	49.2	70.8	70.5	64.8	51.7	W	56.8
April .....	76.0	75.5	NA	57.3	49.0	59.8	84.1	83.8	NA	61.0	NA	68.4
May .....	74.8	74.3	NA	56.5	49.7	58.9	83.7	83.4	NA	60.4	NA	67.5
June .....	71.9	71.5	NA	56.6	51.6	58.6	81.6	81.3	NA	NA	NA	NA
July .....	77.2	76.7	75.1	64.6	60.1	66.2	86.4	86.0	80.4	68.3	W	73.2
August .....	82.3	81.8	81.5	69.1	64.7	71.3	91.6	91.1	86.6	73.1	W	78.5

See footnotes at end of table.



**Table 6. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
1983 .....	108.0	105.7	—	—	—	96.4	96.4	95.4	—	—	—	88.2
1984 .....	102.1	101.5	—	—	—	91.6	91.4	90.7	—	—	—	83.2
1985 .....	103.0	102.3	—	—	—	92.2	92.1	91.2	—	—	—	83.5
1986 .....	74.8	73.7	—	—	—	61.0	63.2	62.4	—	—	—	53.1
1987 .....	79.0	78.4	—	—	—	67.1	67.8	66.9	—	—	—	58.9
1988 .....	79.4	78.8	—	—	—	67.2	68.1	67.3	—	—	—	57.7
1989 .....	87.4	86.8	—	—	—	74.9	76.3	75.6	—	—	—	65.4
1990 .....	99.0	98.5	—	—	—	87.4	88.8	88.3	—	—	—	78.6
1991 .....	91.2	90.7	—	—	—	79.2	80.0	79.7	—	—	—	69.9
1992 .....	92.0	91.4	—	—	—	77.4	79.2	78.7	—	—	—	67.7
1993 .....	89.6	88.9	—	—	—	72.2	76.5	75.9	—	—	—	62.6
1994 .....	87.3	86.5	78.7	64.0	55.6	69.5	74.4	73.8	69.3	56.7	50.9	59.9
1995 .....	89.7	89.0	82.2	67.3	58.3	72.2	77.1	76.5	72.9	59.8	54.0	62.6
1996 .....	97.9	97.2	89.7	76.2	66.9	80.3	85.3	84.7	80.9	69.0	62.7	71.3
<b>1997</b>												
January .....	101.0	100.2	W	81.7	72.0	84.5	87.2	86.6	81.2	73.8	68.2	75.0
February .....	100.2	99.6	W	78.6	69.6	82.6	86.5	85.9	81.2	71.0	66.1	73.0
March .....	98.3	97.6	89.9	76.3	68.5	80.6	84.6	84.0	80.5	68.7	65.3	71.4
April .....	97.9	97.5	W	75.0	66.5	79.7	84.4	83.9	81.3	67.4	62.8	70.4
May .....	97.9	97.3	W	76.8	67.9	80.5	85.0	84.5	80.3	69.3	62.8	71.3
June .....	96.8	96.1	W	73.1	64.9	77.5	83.8	83.3	78.8	65.6	59.7	68.4
July .....	95.5	94.8	W	73.5	63.6	77.0	82.0	81.5	76.4	65.7	58.4	67.5
August .....	100.8	100.3	W	81.2	73.9	84.5	87.2	86.8	83.2	73.3	66.9	75.0
September .....	101.5	101.2	W	76.6	69.0	82.0	87.6	87.2	85.1	68.9	64.0	72.3
October .....	98.4	97.7	W	72.6	64.1	77.8	84.9	84.3	81.9	65.0	60.2	68.5
November .....	95.6	94.9	W	69.6	59.0	74.8	82.2	81.6	78.8	62.3	56.4	65.9
December .....	92.0	91.4	W	65.5	56.8	70.9	78.3	77.8	74.6	58.2	53.8	61.7
<b>1997</b>	<b>97.9</b>	<b>97.3</b>	<b>89.5</b>	<b>74.9</b>	<b>65.8</b>	<b>79.2</b>	<b>84.4</b>	<b>83.9</b>	<b>80.3</b>	<b>67.4</b>	<b>62.0</b>	<b>70.0</b>
<b>1998</b>												
January .....	87.1	86.5	79.2	61.5	54.5	67.2	73.9	73.3	69.9	54.1	50.8	57.6
February .....	83.0	82.4	73.7	60.0	51.0	64.4	69.4	69.0	64.4	52.7	48.5	55.1
March .....	79.4	78.9	69.5	57.6	48.8	61.1	66.0	65.6	60.0	50.3	46.3	52.3
April .....	81.2	80.6	W	60.9	53.1	63.8	67.8	67.4	62.1	53.5	48.9	54.9
May .....	84.4	84.0	W	63.7	55.1	66.8	71.4	71.0	66.8	56.1	50.3	57.9
June .....	84.1	83.6	W	61.1	52.4	64.9	70.8	70.4	65.9	53.5	47.4	55.6
July .....	83.4	82.9	W	59.6	51.2	63.7	69.9	69.4	65.0	52.1	46.0	54.3
August .....	80.7	80.0	W	55.3	48.4	60.1	67.2	66.7	62.9	47.5	42.6	50.6
September .....	79.4	78.7	W	55.9	47.3	59.9	66.0	65.4	61.7	48.4	42.9	50.9
October .....	80.4	79.9	71.4	57.9	48.8	61.6	66.8	66.4	62.3	50.1	44.2	52.4
November .....	78.2	77.6	W	51.5	43.9	56.8	64.4	64.0	61.1	44.0	40.1	47.7
December .....	74.4	73.7	W	45.6	36.6	51.7	60.5	60.0	58.2	38.3	34.2	42.6
<b>1998</b>	<b>81.2</b>	<b>80.6</b>	<b>72.4</b>	<b>57.3</b>	<b>49.0</b>	<b>61.7</b>	<b>67.8</b>	<b>67.3</b>	<b>63.4</b>	<b>50.0</b>	<b>45.5</b>	<b>52.7</b>
<b>1999</b>												
January .....	72.9	72.3	65.7	48.1	38.5	52.5	59.6	59.2	56.8	40.9	35.5	44.1
February .....	71.1	70.1	W	46.5	38.6	51.4	57.5	56.8	55.1	39.2	35.4	42.6
March .....	78.2	77.5	W	56.7	46.9	60.3	65.7	65.1	62.6	49.6	43.0	51.9
April .....	91.3	90.6	NA	66.5	55.6	71.0	79.5	79.0	NA	59.1	49.7	62.3
May .....	91.8	91.2	NA	66.1	54.9	70.8	78.7	78.2	NA	58.4	50.3	61.6
June .....	89.4	88.8	NA	NA	NA	NA	76.0	75.6	NA	58.5	52.1	61.1
July .....	94.0	93.2	W	73.7	61.8	76.9	81.1	80.6	78.6	66.3	60.4	68.7
August .....	99.3	98.3	W	78.5	66.2	82.2	86.1	85.5	84.9	70.9	64.9	73.7

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 7. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1983</b> .....	20.0	23.5	—	—	—	98.3	—	—	—	—	—	—
<b>1984</b> .....	24.3	27.8	—	—	—	106.8	—	—	—	—	—	—
<b>1985</b> .....	26.2	29.9	—	—	—	119.7	—	—	—	—	—	—
<b>1986</b> .....	30.9	34.7	—	—	—	127.0	—	—	—	—	—	—
<b>1987</b> .....	32.7	36.1	—	—	—	141.9	—	—	—	—	—	—
<b>1988</b> .....	34.2	37.3	—	—	—	153.6	—	—	—	—	—	—
<b>1989</b> .....	34.3	36.8	—	—	—	155.7	4.9	5.1	—	—	—	16.4
<b>1990</b> .....	36.7	38.8	—	—	—	174.5	7.4	7.6	—	—	—	23.1
<b>1991</b> .....	38.4	40.4	—	—	—	180.9	7.9	8.2	—	—	—	23.7
<b>1992</b> .....	36.5	38.4	—	—	—	182.2	8.9	9.2	—	—	—	27.5
<b>1993</b> .....	35.6	37.2	—	—	—	184.0	8.7	8.9	—	—	—	27.7
<b>1994</b> .....	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
<b>1995</b> .....	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
<b>1996</b> .....	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
<b>1997</b>												
January .....	35.6	37.6	45.0	122.6	33.7	201.3	8.8	9.1	12.1	15.0	W	27.1
February .....	37.8	39.9	46.7	127.7	38.1	212.6	9.1	9.4	12.4	15.5	W	27.9
March .....	38.4	40.5	47.0	129.9	35.1	212.0	9.3	9.6	12.3	15.5	NA	27.9
April .....	38.5	40.7	47.7	134.5	33.9	216.1	9.3	9.6	12.2	16.1	W	28.3
May .....	38.1	39.8	45.9	135.5	34.2	215.7	9.2	9.5	12.2	16.3	W	28.5
June .....	39.3	41.0	46.1	138.7	29.1	214.0	9.5	9.8	12.3	16.7	W	29.0
July .....	43.2	44.9	45.7	148.0	31.9	225.6	10.4	10.7	12.3	18.0	W	30.3
August .....	43.4	45.1	46.3	144.9	33.2	224.5	10.3	10.5	12.2	17.2	W	29.5
September .....	42.8	44.5	45.2	137.6	33.1	215.9	10.0	10.2	11.6	16.2	W	27.9
October .....	43.2	45.0	45.8	140.6	35.4	221.8	10.1	10.3	11.8	16.8	W	28.6
November .....	41.8	43.3	46.3	132.0	32.3	210.6	9.8	10.0	11.7	15.7	W	27.4
December .....	44.1	45.7	46.8	135.6	37.2	219.6	10.6	10.7	11.8	16.5	W	28.3
<b>1997</b> .....	<b>40.5</b>	<b>42.4</b>	<b>46.2</b>	<b>135.7</b>	<b>33.9</b>	<b>215.8</b>	<b>9.7</b>	<b>10.0</b>	<b>12.1</b>	<b>16.3</b>	<b>NA</b>	<b>28.4</b>
<b>1998</b>												
January .....	39.4	40.8	44.2	124.9	38.5	207.5	9.9	10.1	W	14.8	W	25.8
February .....	41.6	43.0	45.9	129.3	37.1	212.2	9.7	9.9	W	15.2	W	26.4
March .....	42.8	44.3	47.1	132.1	34.6	213.8	9.9	10.1	W	15.8	W	27.1
April .....	43.2	44.7	47.9	138.1	45.0	231.0	10.0	10.2	W	16.0	W	27.3
May .....	43.8	45.3	48.7	139.2	42.7	230.6	10.3	10.5	W	16.0	W	27.6
June .....	44.6	46.0	49.4	147.1	43.8	240.2	10.5	10.7	W	17.1	W	28.8
July .....	44.7	46.1	45.5	150.6	41.3	237.4	10.7	10.8	W	17.7	W	29.0
August .....	44.1	45.6	44.7	144.3	35.9	225.0	10.6	10.7	W	16.9	W	28.1
September .....	42.8	44.3	43.8	140.6	32.9	217.4	10.4	10.6	W	16.4	W	27.3
October .....	42.6	44.2	44.7	141.2	30.7	216.6	10.6	10.8	11.2	16.7	NA	27.9
November .....	41.7	43.1	43.0	135.9	31.0	209.9	10.3	10.5	W	16.1	W	27.0
December .....	42.7	44.0	43.7	141.5	33.6	218.9	10.6	10.7	W	16.5	W	27.5
<b>1998</b> .....	<b>42.8</b>	<b>44.3</b>	<b>45.7</b>	<b>138.8</b>	<b>37.2</b>	<b>221.7</b>	<b>10.3</b>	<b>10.5</b>	<b>11.2</b>	<b>16.3</b>	<b>NA</b>	<b>27.5</b>
<b>1999</b>												
January .....	37.8	39.0	39.4	122.7	27.2	189.3	10.3	10.4	9.7	14.2	NA	23.9
February .....	40.7	42.5	42.9	133.5	32.4	208.8	10.2	10.4	W	15.6	W	26.2
March .....	41.6	43.2	45.1	141.5	35.6	222.2	10.2	10.4	W	16.4	W	27.1
April .....	43.5	45.0	NA	144.1	44.1	235.0	9.9	10.1	NA	15.9	NA	25.9
May .....	43.6	45.0	NA	144.3	43.1	234.2	10.0	10.2	NA	16.1	NA	26.2
June .....	44.7	46.0	NA	154.8	39.5	242.0	10.3	10.5	NA	NA	NA	NA
July .....	45.5	47.3	49.8	155.0	30.0	234.8	10.6	10.8	W	16.7	W	27.8
August .....	43.1	44.8	49.3	153.4	26.8	229.5	9.7	9.9	W	16.0	W	26.7

See footnotes at end of table.

**Table 7. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type**

(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
1983 .....	5.0	6.2	—	—	—	28.7	42.3	51.1	—	—	—	242.5
1984 .....	8.5	9.2	—	—	—	33.7	50.3	57.6	—	—	—	246.3
1985 .....	9.2	10.0	—	—	—	38.0	50.5	57.5	—	—	—	256.9
1986 .....	9.0	9.8	—	—	—	45.1	54.2	61.2	—	—	—	257.2
1987 .....	11.2	11.6	—	—	—	53.0	55.7	61.0	—	—	—	257.2
1988 .....	13.8	14.5	—	—	—	62.4	56.7	61.0	—	—	—	263.7
1989 .....	13.5	14.2	—	—	—	60.8	57.5	61.2	—	—	—	260.7
1990 .....	11.2	11.7	—	—	—	53.7	57.4	60.3	—	—	—	264.8
1991 .....	10.5	10.9	—	—	—	48.3	58.4	61.2	—	—	—	261.3
1992 .....	10.3	10.7	—	—	—	51.7	56.4	59.0	—	—	—	265.4
1993 .....	10.3	10.6	—	—	—	52.8	54.9	57.2	—	—	—	266.9
1994 .....	10.0	10.3	22.6	29.9	3.2	55.7	52.8	55.0	83.1	165.9	27.7	276.7
1995 .....	9.8	10.2	20.8	31.5	4.2	56.4	53.7	55.9	77.9	174.8	36.0	288.8
1996 .....	8.4	8.8	18.2	28.3	4.1	50.5	55.1	57.5	77.5	176.8	39.3	293.6
<b>1997</b>												
January .....	7.4	7.8	W	24.6	3.5	44.5	51.8	54.4	73.5	162.2	37.2	272.8
February .....	7.7	8.0	W	25.3	2.8	45.0	54.6	57.3	76.0	168.5	40.9	285.4
March .....	8.0	8.3	17.2	26.0	3.9	47.2	55.7	58.4	76.6	171.4	39.1	287.1
April .....	8.1	8.5	W	27.5	3.9	48.7	55.8	58.9	77.1	178.1	37.8	293.0
May .....	8.1	8.6	W	28.2	3.7	49.0	55.4	57.8	75.4	180.0	37.9	293.3
June .....	8.6	9.0	W	28.8	4.4	50.6	57.4	59.8	75.9	184.1	33.5	293.5
July .....	9.3	9.8	W	31.1	3.4	51.9	62.8	65.3	75.4	197.1	35.4	307.9
August .....	8.7	9.1	W	29.4	4.0	50.1	62.5	64.8	75.3	191.5	37.3	304.0
September .....	8.4	8.9	W	27.1	3.8	46.6	61.2	63.7	72.5	180.9	37.0	290.4
October .....	8.7	9.0	W	28.2	4.8	49.2	62.0	64.4	73.9	185.6	40.2	299.6
November .....	8.6	8.9	W	26.8	4.9	48.4	60.3	62.3	74.7	174.5	37.2	286.4
December .....	9.4	9.6	W	28.5	4.9	50.5	64.0	66.0	75.7	180.5	42.1	298.4
<b>1997</b> .....	<b>8.4</b>	<b>8.8</b>	<b>16.9</b>	<b>27.6</b>	<b>4.0</b>	<b>48.5</b>	<b>58.7</b>	<b>61.1</b>	<b>75.1</b>	<b>179.6</b>	<b>38.0</b>	<b>292.7</b>
<b>1998</b>												
January .....	8.8	9.0	W	26.5	W	46.3	58.1	59.9	71.4	166.2	42.0	279.7
February .....	9.2	9.4	W	27.2	W	47.2	60.5	62.3	74.3	171.7	39.9	285.9
March .....	9.7	9.9	W	28.6	W	50.2	62.4	64.3	76.2	176.5	38.4	291.1
April .....	9.5	9.8	W	29.5	W	52.2	62.8	64.7	76.9	183.6	50.1	310.5
May .....	9.6	9.9	W	30.2	W	53.0	63.8	65.6	77.9	185.4	47.8	311.1
June .....	9.8	10.1	W	31.8	W	54.9	64.9	66.8	79.4	195.9	48.6	323.9
July .....	10.1	10.4	W	33.9	W	55.5	65.5	67.3	74.6	202.2	45.1	321.9
August .....	10.2	10.5	W	33.0	W	55.3	64.8	66.9	73.8	194.2	40.4	308.4
September .....	10.0	10.3	W	32.1	W	54.5	63.2	65.2	72.3	189.2	37.8	299.2
October .....	10.0	10.2	17.9	31.8	4.5	54.1	63.2	65.1	73.8	189.7	35.2	298.7
November .....	9.9	10.2	W	31.5	W	54.2	61.9	63.7	71.4	183.5	36.1	291.1
December .....	10.4	10.7	W	34.1	W	57.1	63.7	65.4	72.8	192.1	38.6	303.6
<b>1998</b> .....	<b>9.8</b>	<b>10.0</b>	<b>17.7</b>	<b>30.9</b>	<b>4.4</b>	<b>52.9</b>	<b>62.9</b>	<b>64.8</b>	<b>74.6</b>	<b>185.9</b>	<b>41.7</b>	<b>302.2</b>
<b>1999</b>												
January .....	9.8	10.1	16.1	30.1	5.7	51.9	57.9	59.5	65.2	166.9	32.9	265.0
February .....	10.2	10.6	W	32.5	W	55.3	61.2	63.6	71.1	181.7	37.5	290.3
March .....	9.7	10.0	W	33.2	W	54.9	61.6	63.6	73.2	191.1	39.9	304.2
April .....	8.9	9.2	NA	30.0	5.6	51.3	62.3	64.3	NA	190.0	49.8	312.2
May .....	9.1	9.3	NA	30.7	5.6	52.6	62.7	64.5	NA	191.1	48.7	313.0
June .....	9.5	9.7	NA	NA	NA	NA	64.5	66.2	NA	204.8	45.3	324.6
July .....	9.6	10.0	W	32.5	W	54.9	65.7	68.0	77.8	204.2	35.5	317.5
August .....	8.5	8.8	W	31.0	W	51.5	61.2	63.5	75.9	200.3	31.4	307.7

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 8. U.S. Refiner Conventional Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>68.7</b>	<b>68.1</b>	<b>63.6</b>	<b>54.5</b>	<b>50.0</b>	<b>55.8</b>	<b>78.4</b>	<b>77.8</b>	<b>69.4</b>	<b>NA</b>	<b>NA</b>	<b>62.7</b>
<b>1995</b> .....	<b>71.0</b>	<b>70.4</b>	<b>65.1</b>	<b>57.0</b>	<b>52.5</b>	<b>57.3</b>	<b>80.0</b>	<b>79.4</b>	<b>71.1</b>	<b>61.0</b>	<b>NA</b>	<b>63.7</b>
<b>1996</b> .....	<b>79.7</b>	<b>79.1</b>	<b>74.3</b>	<b>66.5</b>	<b>60.7</b>	<b>66.4</b>	<b>88.4</b>	<b>87.8</b>	<b>80.1</b>	<b>70.0</b>	<b>NA</b>	<b>72.6</b>
<b>1997</b>												
January .....	82.4	81.7	76.7	71.2	66.2	70.8	91.4	90.9	83.1	75.4	—	77.2
February .....	80.7	80.1	74.9	68.5	64.3	68.3	90.1	89.5	81.3	72.3	—	74.5
March .....	78.5	77.9	72.4	66.1	62.7	66.2	88.4	87.9	78.7	70.1	W	72.2
April .....	78.7	77.9	73.1	65.0	60.7	65.2	88.3	87.8	78.8	69.0	—	71.4
May .....	79.6	79.1	73.4	67.3	61.9	67.1	88.7	88.3	79.1	70.3	—	72.5
June .....	78.5	78.0	72.1	63.7	59.1	64.0	87.7	87.2	78.5	66.8	—	69.6
July .....	76.6	76.1	69.7	63.6	57.5	63.3	85.8	85.4	76.2	67.1	—	69.1
August .....	82.0	81.5	75.8	70.8	63.9	70.3	91.1	90.7	81.9	74.4	—	76.1
September .....	80.5	79.9	74.4	66.1	60.8	66.1	89.8	89.4	81.1	69.6	—	72.2
October .....	76.9	76.3	70.2	62.1	57.0	62.0	86.5	86.1	76.7	65.7	—	68.1
November .....	73.9	73.4	66.9	59.3	54.8	59.3	83.2	82.8	73.6	63.1	—	65.4
December .....	69.5	68.9	62.3	55.0	51.7	55.1	78.8	78.5	69.3	59.1	—	61.3
<b>1997</b> .....	<b>78.1</b>	<b>77.5</b>	<b>71.9</b>	<b>64.9</b>	<b>60.0</b>	<b>64.8</b>	<b>87.4</b>	<b>86.9</b>	<b>78.3</b>	<b>68.5</b>	<b>W</b>	<b>70.8</b>
<b>1998</b>												
January .....	65.9	65.3	58.0	50.9	49.1	51.2	74.3	73.8	65.4	55.2	—	57.5
February .....	63.1	62.7	55.6	49.9	47.2	49.9	72.2	71.7	62.1	53.7	—	55.6
March .....	60.8	60.4	52.9	47.7	45.1	47.8	69.9	69.5	59.7	51.5	—	53.3
April .....	62.4	62.1	55.0	50.9	47.0	50.5	71.7	71.3	61.4	54.7	—	56.2
May .....	65.3	64.9	58.3	53.5	48.6	53.0	74.3	74.0	64.3	57.1	—	58.8
June .....	64.8	64.4	57.3	51.0	46.2	50.7	74.1	73.8	63.7	54.5	W	56.6
July .....	63.7	63.2	57.1	49.7	44.8	49.4	73.0	72.7	63.2	53.0	—	55.1
August .....	60.3	59.8	54.7	44.9	40.7	45.0	70.0	69.6	60.8	48.4	—	51.0
September .....	59.0	58.5	53.3	45.7	40.8	45.6	68.6	68.2	59.5	49.3	—	51.4
October .....	60.4	60.0	54.4	47.3	42.4	47.2	69.8	69.4	60.6	51.7	—	53.6
November .....	57.2	56.7	51.8	40.8	37.7	41.3	67.0	66.6	58.4	45.1	—	47.9
December .....	51.9	51.4	46.6	35.0	32.5	35.6	62.1	61.8	53.6	39.4	—	42.3
<b>1998</b> .....	<b>61.2</b>	<b>60.8</b>	<b>54.8</b>	<b>47.3</b>	<b>W</b>	<b>47.4</b>	<b>70.5</b>	<b>70.2</b>	<b>61.2</b>	<b>W</b>	<b>W</b>	<b>53.3</b>
<b>1999</b>												
January .....	51.0	50.6	45.4	37.8	33.5	37.8	60.2	59.9	NA	42.0	—	44.2
February .....	49.0	48.4	43.5	36.1	33.1	36.2	58.9	58.5	50.9	40.2	—	42.4
March .....	57.3	56.8	51.8	46.6	40.2	45.9	66.6	66.3	W	50.4	—	52.0
April .....	69.3	68.9	NA	56.2	47.0	55.2	78.5	78.2	NA	59.8	—	62.3
May .....	69.7	69.3	NA	55.7	48.1	55.1	79.4	79.0	NA	59.3	—	61.9
June .....	68.3	67.9	NA	55.6	48.3	55.2	78.2	77.9	NA	NA	—	NA
July .....	74.7	74.1	69.8	63.5	55.4	63.1	83.8	83.3	76.3	67.2	—	69.1
August .....	78.6	78.1	75.3	68.3	61.4	68.1	88.1	87.6	81.6	72.0	—	74.1

See footnotes at end of table.

**Table 8. U.S. Refiner Conventional Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>86.3</b>	<b>85.5</b>	<b>77.8</b>	<b>63.8</b>	<b>55.5</b>	<b>68.2</b>	<b>73.6</b>	<b>72.9</b>	<b>68.3</b>	<b>56.5</b>	<b>50.7</b>	<b>58.9</b>
<b>1995</b> .....	<b>87.7</b>	<b>86.8</b>	<b>79.0</b>	<b>66.5</b>	<b>56.8</b>	<b>68.4</b>	<b>75.3</b>	<b>74.6</b>	<b>69.3</b>	<b>59.0</b>	<b>53.0</b>	<b>59.8</b>
<b>1996</b> .....	<b>96.0</b>	<b>95.1</b>	<b>86.9</b>	<b>75.5</b>	<b>64.5</b>	<b>76.7</b>	<b>83.4</b>	<b>82.7</b>	<b>77.8</b>	<b>68.2</b>	<b>61.0</b>	<b>68.5</b>
<b>1997</b>												
January .....	99.8	98.6	90.7	81.0	70.1	81.7	86.1	85.4	80.6	73.0	66.5	72.9
February .....	98.3	97.4	88.7	78.0	67.8	79.2	84.5	83.8	78.7	70.3	64.5	70.3
March .....	96.3	95.5	86.3	W	66.6	76.8	82.5	81.8	76.1	67.9	63.0	68.2
April .....	96.4	95.5	86.4	74.5	64.9	75.8	82.6	81.8	76.6	66.8	61.0	67.3
May .....	96.6	95.6	86.4	76.4	66.3	77.5	83.4	82.8	76.9	69.0	62.2	69.1
June .....	95.4	94.6	85.5	72.8	64.9	74.4	82.3	81.7	75.8	65.4	59.7	66.1
July .....	93.9	93.1	83.5	73.1	63.0	74.3	80.5	79.9	73.5	65.4	57.9	65.5
August .....	99.2	98.3	89.3	80.4	71.4	81.1	85.7	85.1	79.3	72.5	64.6	72.4
September .....	98.2	97.5	88.4	75.5	66.0	76.8	84.3	83.7	78.1	67.8	61.2	68.1
October .....	94.5	93.6	84.0	71.5	61.6	72.6	80.8	80.2	73.9	63.8	57.4	64.1
November .....	91.2	90.4	81.0	68.4	56.3	69.3	77.8	77.2	70.8	61.0	55.0	61.3
December .....	87.2	86.4	76.6	64.3	54.7	65.3	73.5	72.9	66.3	56.8	52.0	57.1
<b>1997</b> .....	<b>95.4</b>	<b>94.6</b>	<b>85.6</b>	<b>74.2</b>	<b>64.1</b>	<b>75.3</b>	<b>81.9</b>	<b>81.3</b>	<b>75.6</b>	<b>66.6</b>	<b>60.4</b>	<b>66.8</b>
<b>1998</b>												
January .....	83.0	82.2	72.7	60.4	52.7	61.7	69.8	69.1	62.2	52.8	49.4	53.3
February .....	80.4	79.6	69.1	59.2	49.5	60.3	67.1	66.5	59.4	51.7	47.4	51.9
March .....	78.0	77.3	66.4	56.9	47.0	57.9	64.8	64.3	56.7	49.5	45.2	49.8
April .....	79.7	79.1	68.2	60.4	50.2	60.6	66.4	66.0	58.6	52.7	47.3	52.4
May .....	82.2	81.6	71.0	63.1	53.7	63.5	69.1	68.7	61.8	55.3	49.0	55.1
June .....	82.0	81.3	W	60.6	51.7	61.2	68.8	68.3	60.9	52.9	46.7	52.8
July .....	80.8	80.2	70.2	59.2	50.9	60.2	67.7	67.2	60.9	51.5	45.3	51.6
August .....	77.8	76.9	67.9	54.7	47.8	56.0	64.5	63.9	58.5	46.8	41.4	47.3
September .....	76.5	75.5	66.5	55.3	45.9	56.1	63.2	62.6	57.2	47.6	41.3	47.8
October .....	78.0	77.3	67.8	57.3	46.9	58.1	64.6	64.1	58.2	49.3	42.9	49.5
November .....	75.1	74.3	65.5	50.3	41.6	51.6	61.6	61.0	55.8	42.8	38.2	43.6
December .....	70.2	69.4	60.9	44.4	34.4	45.7	56.5	56.0	50.9	37.1	32.8	37.9
<b>1998</b> .....	<b>78.5</b>	<b>77.7</b>	<b>68.1</b>	<b>56.6</b>	<b>47.5</b>	<b>57.6</b>	<b>65.3</b>	<b>64.8</b>	<b>58.6</b>	<b>49.1</b>	<b>44.3</b>	<b>49.5</b>
<b>1999</b>												
January .....	68.8	68.1	NA	47.3	36.6	47.6	55.6	55.2	49.8	39.9	34.0	40.1
February .....	67.2	66.0	NA	45.6	36.7	46.5	53.6	52.9	48.1	38.1	33.5	38.5
March .....	74.2	73.4	NA	W	43.5	56.1	61.4	60.9	55.7	48.5	40.5	48.0
April .....	86.2	85.5	NA	66.0	52.7	66.1	73.1	72.7	NA	58.0	47.6	57.3
May .....	87.3	86.7	NA	65.5	54.3	66.1	73.7	73.3	NA	57.6	48.7	57.3
June .....	85.8	85.1	NA	65.3	NA	NA	72.4	72.0	NA	57.4	48.8	57.3
July .....	91.5	90.4	83.3	72.9	58.0	72.6	78.6	77.9	73.4	65.3	55.8	65.1
August .....	95.7	94.4	88.5	77.7	62.9	77.8	82.5	81.8	78.8	70.0	61.7	70.1

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 9. U.S. Refiner Conventional Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>29.7</b>	<b>31.2</b>	<b>36.1</b>	<b>113.5</b>	<b>22.8</b>	<b>172.4</b>	<b>7.6</b>	<b>7.8</b>	<b>10.1</b>	<b>14.6</b>	<b>0.1</b>	<b>24.8</b>
<b>1995</b> .....	<b>24.0</b>	<b>25.3</b>	<b>19.4</b>	<b>105.1</b>	<b>26.0</b>	<b>150.5</b>	<b>6.0</b>	<b>6.3</b>	<b>5.1</b>	<b>13.6</b>	<b>0.1</b>	<b>18.7</b>
<b>1996</b> .....	<b>24.1</b>	<b>25.4</b>	<b>17.8</b>	<b>108.5</b>	<b>27.1</b>	<b>153.4</b>	<b>5.7</b>	<b>5.9</b>	<b>4.4</b>	<b>12.9</b>	<b>NA</b>	<b>17.3</b>
<b>1997</b>												
January .....	20.6	22.0	14.8	98.3	26.4	139.6	4.7	4.9	3.7	11.5	—	15.1
February .....	22.1	23.7	15.4	102.9	31.2	149.5	5.0	5.2	3.8	11.9	—	15.7
March .....	24.0	25.5	16.8	106.4	27.7	150.9	5.5	5.7	4.0	12.2	W	16.2
April .....	25.1	26.9	18.2	111.8	26.9	156.9	5.8	5.9	4.2	12.9	—	17.0
May .....	24.7	26.0	17.7	112.7	26.3	156.7	5.7	5.8	4.2	13.0	—	17.1
June .....	25.6	26.9	17.7	115.4	22.1	155.2	5.9	6.1	4.2	13.3	—	17.4
July .....	27.8	29.1	17.2	123.4	25.2	165.8	6.4	6.6	4.1	14.4	—	18.5
August .....	27.3	28.7	17.3	119.9	24.7	161.9	6.2	6.4	4.0	13.5	—	17.6
September .....	26.4	27.8	16.2	113.1	25.8	155.1	6.0	6.2	3.7	12.7	—	16.5
October .....	26.1	27.5	15.8	113.9	26.7	156.4	6.0	6.1	3.7	13.0	—	16.7
November .....	24.3	25.5	14.7	104.9	25.4	145.1	5.5	5.7	3.5	11.9	—	15.4
December .....	25.1	26.4	14.8	107.4	28.4	150.7	5.8	6.0	3.5	12.6	—	16.1
<b>1997</b> .....	<b>25.0</b>	<b>26.4</b>	<b>16.4</b>	<b>110.9</b>	<b>26.4</b>	<b>153.7</b>	<b>5.7</b>	<b>5.9</b>	<b>3.9</b>	<b>12.7</b>	<b>W</b>	<b>16.6</b>
<b>1998</b>												
January .....	22.8	24.0	14.0	98.7	30.2	142.9	5.5	5.7	3.3	11.2	—	14.4
February .....	24.4	25.5	14.8	102.4	29.7	146.9	5.5	5.7	3.4	11.4	—	14.8
March .....	25.9	27.1	15.6	106.5	27.8	149.9	6.0	6.1	3.5	12.2	—	15.7
April .....	26.5	27.7	16.7	112.4	36.4	165.4	6.1	6.2	3.6	12.4	—	16.0
May .....	27.3	28.5	17.4	112.9	33.0	163.2	6.3	6.4	3.8	12.4	—	16.2
June .....	27.6	28.8	17.7	119.6	35.5	172.8	6.4	6.5	W	13.2	W	17.0
July .....	27.4	28.6	14.4	123.3	30.7	168.4	6.4	6.5	3.5	13.6	—	17.2
August .....	27.2	28.4	14.0	117.2	28.1	159.3	6.3	6.5	3.5	13.0	—	16.5
September .....	25.8	27.0	13.2	113.9	23.6	150.7	6.1	6.3	3.2	12.6	—	15.8
October .....	26.7	27.9	14.1	113.2	22.9	150.2	6.4	6.6	3.4	12.8	—	16.1
November .....	25.6	26.7	12.7	108.1	22.7	143.4	6.1	6.3	3.2	12.2	—	15.3
December .....	25.9	26.9	12.9	112.1	25.0	149.9	6.2	6.4	3.2	12.5	—	15.6
<b>1998</b> .....	<b>26.1</b>	<b>27.3</b>	<b>14.8</b>	<b>W</b>	<b>W</b>	<b>155.3</b>	<b>6.1</b>	<b>6.3</b>	<b>3.4</b>	<b>W</b>	<b>W</b>	<b>15.9</b>
<b>1999</b>												
January .....	22.4	23.3	10.9	96.6	19.2	126.7	6.1	6.2	NA	10.6	—	13.4
February .....	24.6	26.1	11.9	105.4	23.3	140.6	6.1	6.2	3.0	11.9	—	14.9
March .....	25.2	26.4	12.8	113.9	27.1	153.8	6.1	6.2	W	W	—	15.7
April .....	26.9	28.1	NA	117.8	34.7	167.0	6.1	6.3	NA	12.4	—	15.6
May .....	26.7	27.8	NA	116.9	32.3	163.7	6.1	6.2	NA	12.3	—	15.5
June .....	26.8	27.9	NA	124.7	27.5	166.7	6.2	6.3	NA	NA	—	NA
July .....	28.3	29.7	15.7	125.5	19.8	161.0	6.6	6.8	3.5	12.7	—	16.2
August .....	25.9	27.3	15.4	124.0	18.9	158.3	5.8	6.0	3.4	12.2	—	15.6

See footnotes at end of table.

**Table 9. U.S. Refiner Conventional Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>8.5</b>	<b>8.9</b>	<b>16.5</b>	<b>28.0</b>	<b>2.8</b>	<b>47.2</b>	<b>45.8</b>	<b>47.9</b>	<b>62.7</b>	<b>156.0</b>	<b>25.8</b>	<b>244.5</b>
<b>1995</b> .....	<b>6.2</b>	<b>6.4</b>	<b>7.7</b>	<b>25.1</b>	<b>2.9</b>	<b>35.6</b>	<b>36.2</b>	<b>38.0</b>	<b>32.1</b>	<b>143.8</b>	<b>28.9</b>	<b>204.8</b>
<b>1996</b> .....	<b>4.9</b>	<b>5.1</b>	<b>5.8</b>	<b>22.5</b>	<b>2.5</b>	<b>30.8</b>	<b>34.7</b>	<b>36.5</b>	<b>28.1</b>	<b>143.8</b>	<b>29.6</b>	<b>201.5</b>
<b>1997</b>												
January .....	3.9	4.1	4.7	19.2	2.4	26.3	29.2	31.1	23.2	129.0	28.8	181.0
February .....	4.1	4.3	4.9	19.8	2.0	26.7	31.3	33.2	24.1	134.7	33.2	191.9
March .....	4.6	4.8	5.2	W	2.4	28.4	34.1	36.0	26.0	139.3	30.2	195.5
April .....	4.8	5.0	5.5	22.1	2.5	30.1	35.7	37.9	27.9	146.7	29.4	204.0
May .....	4.8	5.0	5.6	22.6	2.1	30.3	35.2	36.9	27.4	148.3	28.4	204.1
June .....	5.1	5.3	5.6	23.0	2.8	31.4	36.5	38.2	27.4	151.7	24.8	204.0
July .....	5.4	5.7	5.5	25.0	1.9	32.4	39.7	41.3	26.8	162.8	27.0	216.6
August .....	5.0	5.2	5.2	23.5	2.6	31.3	38.5	40.2	26.5	156.9	27.3	210.7
September .....	4.8	5.0	4.8	21.7	2.5	29.0	37.3	39.0	24.7	147.5	28.4	200.6
October .....	4.9	5.2	4.9	22.3	2.8	29.9	37.0	38.9	24.4	149.2	29.5	203.0
November .....	4.7	5.0	4.7	20.9	2.7	28.3	34.6	36.1	22.9	137.7	28.2	188.7
December .....	5.1	5.3	4.8	22.2	3.0	30.0	36.0	37.7	23.1	142.2	31.4	196.8
<b>1997</b> .....	<b>4.8</b>	<b>5.0</b>	<b>5.1</b>	<b>21.9</b>	<b>2.5</b>	<b>29.5</b>	<b>35.4</b>	<b>37.2</b>	<b>25.4</b>	<b>145.6</b>	<b>28.9</b>	<b>199.8</b>
<b>1998</b>												
January .....	4.8	5.0	4.6	20.7	2.5	27.7	33.2	34.7	21.8	130.6	32.7	185.1
February .....	5.1	5.3	4.8	21.2	1.7	27.7	35.0	36.5	23.0	135.1	31.4	189.5
March .....	5.6	5.8	5.1	22.7	2.0	29.8	37.5	39.0	24.2	141.4	29.8	195.3
April .....	5.5	5.8	5.3	23.5	3.2	32.0	38.1	39.7	25.5	148.3	39.5	213.4
May .....	5.6	5.8	5.4	24.1	3.2	32.6	39.2	40.7	26.5	149.4	36.2	212.0
June .....	5.7	5.9	W	25.4	W	34.5	39.7	41.2	27.1	158.2	39.1	224.3
July .....	5.8	6.0	5.0	27.1	2.6	34.7	39.6	41.1	22.9	164.1	33.3	220.3
August .....	5.9	6.2	5.0	26.2	2.9	34.1	39.5	41.1	22.4	156.4	31.0	209.8
September .....	5.7	6.0	4.7	25.5	2.6	32.8	37.6	39.2	21.1	152.0	26.2	199.3
October .....	5.8	6.0	4.8	24.8	2.4	32.1	38.9	40.5	22.3	150.8	25.4	198.5
November .....	5.7	5.9	4.5	24.4	3.0	31.9	37.4	38.9	20.4	144.6	25.7	190.7
December .....	6.1	6.3	4.7	26.5	3.5	34.7	38.3	39.6	20.8	151.1	28.4	200.3
<b>1998</b> .....	<b>5.6</b>	<b>5.8</b>	<b>4.9</b>	<b>24.4</b>	<b>2.8</b>	<b>32.1</b>	<b>37.9</b>	<b>39.4</b>	<b>23.2</b>	<b>148.6</b>	<b>31.5</b>	<b>203.3</b>
<b>1999</b>												
January .....	5.7	5.9	NA	23.3	3.7	31.2	34.2	35.5	17.8	130.5	22.9	171.3
February .....	6.0	6.3	4.6	25.2	3.3	33.1	36.7	38.6	19.5	142.5	26.6	188.6
March .....	5.6	5.9	W	W	2.6	33.5	36.9	38.5	20.5	152.8	29.7	203.0
April .....	5.3	5.6	NA	24.1	3.6	32.2	38.4	39.9	NA	154.2	38.3	214.8
May .....	5.3	5.5	NA	24.4	3.4	32.4	38.2	39.6	NA	153.5	35.8	211.7
June .....	5.5	5.7	NA	26.1	NA	NA	38.6	39.9	NA	163.8	31.6	217.8
July .....	5.9	6.2	4.8	25.8	3.8	34.4	40.8	42.6	24.0	164.0	23.6	211.6
August .....	4.9	5.2	4.5	24.5	3.1	32.1	36.7	38.6	23.3	160.7	22.0	206.0

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 10. U.S. Refiner Oxygenated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>74.3</b>	<b>73.9</b>	<b>66.7</b>	<b>58.6</b>	<b>52.7</b>	<b>63.2</b>	<b>84.3</b>	<b>83.8</b>	<b>72.7</b>	<b>62.2</b>	<b>W</b>	<b>69.6</b>
<b>1995</b> .....	<b>76.7</b>	<b>76.5</b>	<b>70.9</b>	<b>63.0</b>	<b>59.2</b>	<b>66.5</b>	<b>83.4</b>	<b>83.3</b>	<b>75.0</b>	<b>65.9</b>	<b>—</b>	<b>71.3</b>
<b>1996</b> .....	<b>87.0</b>	<b>86.7</b>	<b>78.4</b>	<b>71.8</b>	<b>W</b>	<b>74.6</b>	<b>94.0</b>	<b>93.9</b>	<b>83.2</b>	<b>73.8</b>	<b>—</b>	<b>79.3</b>
<b>1997</b>												
January .....	88.7	88.6	80.0	77.2	—	78.3	99.7	99.7	W	80.3	—	82.7
February .....	91.3	91.1	85.0	77.7	—	80.7	100.9	100.9	W	80.7	—	85.0
March .....	92.4	92.1	86.4	75.4	—	80.4	100.7	100.7	90.9	76.7	—	85.5
April .....	88.7	88.4	82.1	69.4	—	72.3	95.5	95.5	W	70.4	—	75.8
May .....	89.3	89.2	82.5	75.4	—	78.0	96.8	96.8	W	76.2	—	82.1
June .....	88.0	87.8	80.1	71.6	—	74.7	96.0	95.9	W	72.9	—	78.0
July .....	85.0	84.9	75.1	71.1	—	72.5	93.2	93.2	W	72.9	—	76.4
August .....	87.6	87.5	79.9	77.7	—	78.4	96.5	96.4	W	79.5	—	81.8
September .....	91.5	91.3	85.4	75.0	—	78.6	100.0	100.0	W	78.7	—	82.9
October .....	90.2	89.9	84.6	71.8	—	76.0	98.7	98.6	W	74.6	—	79.7
November .....	87.7	87.5	81.7	70.1	—	74.2	97.8	97.8	W	73.2	—	78.6
December .....	83.5	83.4	76.5	64.7	—	68.8	94.7	94.7	W	68.0	—	74.0
<b>1997</b> .....	<b>88.6</b>	<b>88.4</b>	<b>81.6</b>	<b>72.5</b>	<b>—</b>	<b>75.8</b>	<b>98.0</b>	<b>98.0</b>	<b>86.6</b>	<b>75.0</b>	<b>—</b>	<b>80.1</b>
<b>1998</b>												
January .....	78.4	78.3	71.3	59.2	—	63.4	89.1	89.1	76.9	61.0	—	66.9
February .....	70.8	70.7	64.1	57.7	—	60.0	81.0	81.0	70.4	59.7	—	63.6
March .....	65.7	65.6	56.3	55.8	—	56.0	75.8	75.8	63.1	57.1	—	59.6
April .....	66.6	66.6	58.8	57.2	—	57.8	76.0	76.0	W	58.2	—	60.3
May .....	71.7	71.6	64.4	60.4	—	61.8	80.2	80.2	W	61.3	—	64.4
June .....	73.6	73.5	64.7	59.2	—	60.9	82.3	82.3	W	60.3	—	63.4
July .....	72.3	72.2	63.9	58.5	—	60.3	81.2	81.2	W	59.5	—	62.7
August .....	68.4	68.3	61.4	53.6	W	56.4	77.1	77.1	W	W	—	58.9
September .....	67.5	67.4	61.0	53.8	—	56.6	76.5	76.5	W	55.2	—	59.3
October .....	69.6	69.4	60.2	54.0	—	56.1	78.4	78.4	66.9	55.9	—	59.7
November .....	63.0	62.8	58.4	49.5	—	52.6	72.5	72.5	W	50.8	—	55.8
December .....	60.0	59.9	54.8	43.6	—	47.5	69.1	69.1	W	44.8	—	50.8
<b>1998</b> .....	<b>69.1</b>	<b>69.0</b>	<b>61.4</b>	<b>54.6</b>	<b>W</b>	<b>57.0</b>	<b>78.8</b>	<b>78.8</b>	<b>W</b>	<b>W</b>	<b>—</b>	<b>60.1</b>
<b>1999</b>												
January .....	58.9	58.8	53.9	45.9	—	49.0	68.7	68.7	60.3	47.6	—	52.4
February .....	56.2	56.2	50.9	45.8	—	47.9	66.8	66.8	W	47.8	—	51.8
March .....	67.9	67.8	61.2	55.2	—	58.1	77.2	77.2	67.8	56.1	—	60.7
April .....	83.8	83.7	NA	62.5	—	NA	90.1	90.1	NA	63.4	—	68.6
May .....	81.5	81.4	83.0	61.5	—	71.4	87.7	87.7	NA	62.3	—	67.3
June .....	79.8	79.8	NA	60.9	—	69.2	86.1	86.1	NA	61.9	—	NA
July .....	84.4	84.4	87.3	68.0	—	76.2	90.7	90.7	W	68.6	—	73.0
August .....	91.3	91.2	94.0	73.9	—	82.4	97.4	97.4	W	74.1	—	78.9

See footnotes at end of table.



**Table 10. U.S. Refiner Oxygenated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>92.9</b>	<b>92.4</b>	<b>79.9</b>	<b>67.5</b>	<b>56.7</b>	<b>76.5</b>	<b>79.3</b>	<b>78.8</b>	<b>71.5</b>	<b>60.7</b>	<b>53.5</b>	<b>67.5</b>
<b>1995</b> .....	<b>94.6</b>	<b>94.3</b>	<b>84.7</b>	<b>72.4</b>	<b>W</b>	<b>79.1</b>	<b>80.4</b>	<b>80.2</b>	<b>74.2</b>	<b>64.7</b>	<b>59.5</b>	<b>69.1</b>
<b>1996</b> .....	<b>103.7</b>	<b>103.5</b>	<b>90.7</b>	<b>80.0</b>	<b>58.3</b>	<b>85.5</b>	<b>90.2</b>	<b>90.0</b>	<b>81.1</b>	<b>73.1</b>	<b>W</b>	<b>76.8</b>
<b>1997</b>												
January .....	108.5	108.3	93.2	W	—	89.1	92.8	92.6	82.5	78.5	—	80.2
February .....	110.9	110.6	98.1	W	—	91.9	94.9	94.7	87.4	79.0	—	82.6
March .....	111.0	110.6	100.2	82.6	—	92.5	95.5	95.2	89.1	76.3	—	82.5
April .....	104.2	104.2	94.7	W	—	79.9	91.1	90.9	84.0	70.1	—	73.5
May .....	105.5	105.5	98.4	W	—	86.6	91.7	91.6	84.7	76.0	—	79.3
June .....	104.7	104.7	93.2	W	—	82.2	90.4	90.3	81.9	72.3	—	75.8
July .....	101.8	101.8	88.5	W	—	79.6	87.6	87.5	77.0	71.9	—	73.7
August .....	105.1	104.9	92.6	W	—	85.7	90.3	90.1	81.6	78.4	—	79.5
September .....	108.5	108.1	97.7	W	—	87.4	94.0	93.7	87.2	76.2	—	80.1
October .....	107.7	107.2	97.5	W	—	87.0	92.9	92.6	86.7	73.0	—	77.6
November .....	107.3	107.0	95.0	W	—	85.7	91.4	91.1	84.0	71.5	—	76.0
December .....	104.1	104.1	90.3	W	—	80.5	87.5	87.3	79.0	66.0	—	70.8
<b>1997</b> .....	<b>107.3</b>	<b>107.1</b>	<b>95.1</b>	<b>80.5</b>	<b>—</b>	<b>86.4</b>	<b>91.8</b>	<b>91.6</b>	<b>84.0</b>	<b>73.6</b>	<b>—</b>	<b>77.5</b>
<b>1998</b>												
January .....	98.7	98.7	85.3	67.7	—	74.5	82.3	82.2	73.9	60.4	—	65.2
February .....	90.8	90.7	78.5	66.0	—	71.1	74.4	74.3	66.8	58.8	—	61.7
March .....	84.5	84.5	70.8	62.9	—	66.9	68.4	68.4	59.1	56.7	—	57.7
April .....	85.1	85.1	75.1	W	—	67.7	69.3	69.3	61.3	57.8	—	59.0
May .....	89.2	89.2	80.6	W	—	71.8	74.3	74.2	67.0	61.0	—	63.0
June .....	90.9	90.9	79.6	W	—	69.7	76.1	76.0	67.1	59.8	—	62.0
July .....	89.0	89.0	78.5	W	—	70.3	74.8	74.7	66.4	59.1	—	61.6
August .....	84.8	84.8	75.5	59.4	—	66.8	70.9	70.7	64.0	54.2	W	57.8
September .....	85.3	85.3	75.8	W	—	68.1	70.2	70.1	63.9	54.7	—	58.3
October .....	87.4	87.3	73.1	62.1	—	67.3	72.7	72.5	63.5	55.2	—	58.2
November .....	82.6	82.5	71.7	W	—	65.1	66.6	66.5	61.9	51.0	—	55.0
December .....	79.7	79.6	NA	W	—	59.7	63.7	63.5	58.2	45.1	—	49.9
<b>1998</b> .....	<b>87.7</b>	<b>87.7</b>	<b>74.7</b>	<b>61.6</b>	<b>—</b>	<b>67.3</b>	<b>72.2</b>	<b>72.1</b>	<b>64.2</b>	<b>55.5</b>	<b>W</b>	<b>58.7</b>
<b>1999</b>												
January .....	79.1	79.1	NA	54.4	—	60.2	62.6	62.5	57.0	47.3	—	51.1
February .....	76.8	76.8	NA	W	—	59.7	60.0	59.9	54.0	47.3	—	50.2
March .....	87.7	87.7	NA	63.1	—	70.0	71.1	71.1	64.2	56.1	—	60.1
April .....	99.6	99.6	NA	69.6	—	NA	85.7	85.6	NA	63.2	—	NA
May .....	96.6	96.6	NA	68.3	—	NA	83.4	83.3	NA	62.1	—	71.8
June .....	94.9	94.9	NA	68.3	—	NA	81.8	81.7	NA	61.6	—	69.9
July .....	97.0	97.0	NA	W	—	86.3	86.1	86.1	88.3	68.7	—	76.7
August .....	105.1	105.1	NA	W	—	92.4	93.0	92.9	94.9	74.5	—	82.9

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 11. U.S. Refiner Oxygenated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>4.0</b>	<b>4.1</b>	<b>9.4</b>	<b>5.2</b>	<b>0.9</b>	<b>15.5</b>	<b>0.7</b>	<b>0.7</b>	<b>2.1</b>	<b>0.8</b>	<b>W</b>	<b>2.9</b>
<b>1995</b> .....	<b>2.5</b>	<b>2.5</b>	<b>3.8</b>	<b>W</b>	<b>W</b>	<b>8.1</b>	<b>0.5</b>	<b>0.5</b>	<b>0.8</b>	<b>0.5</b>	<b>—</b>	<b>1.3</b>
<b>1996</b> .....	<b>2.4</b>	<b>2.5</b>	<b>2.6</b>	<b>2.9</b>	<b>W</b>	<b>5.6</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.4</b>	<b>—</b>	<b>0.9</b>
<b>1997</b>												
January .....	3.7	3.7	2.9	4.5	—	7.4	0.8	0.8	W	0.5	—	1.1
February .....	3.6	3.7	2.9	4.2	—	7.1	0.7	0.7	W	0.5	—	1.0
March .....	2.1	2.1	1.9	2.3	—	4.1	0.4	0.4	0.4	0.2	—	0.6
April .....	0.9	0.9	0.5	1.6	—	2.1	0.2	0.2	W	0.2	—	0.3
May .....	1.3	1.4	1.0	1.7	—	2.7	0.2	0.2	W	0.2	—	0.3
June .....	1.5	1.6	1.0	1.8	—	2.8	0.3	0.3	W	0.2	—	0.4
July .....	1.3	1.4	1.0	1.8	—	2.8	0.2	0.2	W	0.2	—	0.4
August .....	1.3	1.4	1.0	1.9	—	2.8	0.2	0.2	W	0.2	—	0.4
September .....	1.6	1.6	1.3	2.4	—	3.7	0.2	0.2	W	0.4	—	0.6
October .....	2.1	2.2	2.0	4.2	—	6.3	0.4	0.4	W	0.7	—	1.1
November .....	3.1	3.2	2.9	5.3	—	8.2	0.7	0.7	W	0.8	—	1.3
December .....	3.4	3.4	3.0	5.6	—	8.6	0.7	0.7	W	0.8	—	1.3
<b>1997</b> .....	<b>2.2</b>	<b>2.2</b>	<b>1.8</b>	<b>3.1</b>	<b>—</b>	<b>4.9</b>	<b>0.4</b>	<b>0.4</b>	<b>0.3</b>	<b>0.4</b>	<b>—</b>	<b>0.7</b>
<b>1998</b>												
January .....	3.0	3.0	2.8	5.3	—	8.1	0.7	0.7	W	W	—	1.4
February .....	2.9	2.9	2.7	5.0	—	7.7	0.6	0.6	W	W	—	1.3
March .....	2.3	2.4	2.4	3.1	—	5.5	0.3	0.3	W	W	—	1.0
April .....	1.7	1.7	1.5	2.9	—	4.3	0.3	0.3	W	W	—	0.8
May .....	1.6	1.6	1.4	2.8	—	4.2	0.2	0.2	W	W	—	0.8
June .....	1.6	1.6	1.5	3.3	—	4.8	0.2	0.2	W	W	—	0.8
July .....	1.5	1.6	1.5	3.0	—	4.6	0.2	0.2	W	W	—	0.8
August .....	1.5	1.5	1.6	W	W	4.3	0.2	0.2	W	W	—	0.8
September .....	1.6	1.6	2.0	3.1	—	5.2	0.3	0.3	W	W	—	1.0
October .....	1.6	1.6	2.3	4.4	—	6.7	0.3	0.3	0.4	0.8	—	1.2
November .....	2.2	2.2	2.8	5.2	—	8.0	0.4	0.4	W	W	—	1.4
December .....	2.2	2.3	2.9	5.5	—	8.4	0.5	0.5	W	W	—	1.4
<b>1998</b> .....	<b>2.0</b>	<b>2.0</b>	<b>2.1</b>	<b>W</b>	<b>W</b>	<b>6.0</b>	<b>0.4</b>	<b>0.4</b>	<b>W</b>	<b>W</b>	<b>—</b>	<b>1.1</b>
<b>1999</b>												
January .....	2.4	2.4	3.1	4.9	—	7.9	0.5	0.5	0.5	0.8	—	1.3
February .....	2.5	2.5	3.5	4.9	—	8.3	0.5	0.5	W	W	—	1.3
March .....	2.2	2.2	3.2	3.4	—	6.6	0.4	0.4	0.5	0.8	—	1.3
April .....	1.4	1.4	1.9	2.3	—	4.2	0.2	0.2	NA	0.7	—	0.9
May .....	1.4	1.4	2.0	2.3	—	4.3	0.2	0.2	NA	0.7	—	0.9
June .....	1.5	1.5	NA	2.7	—	4.7	0.2	0.2	NA	0.8	—	NA
July .....	1.6	1.6	2.1	2.8	—	4.8	0.2	0.2	W	W	—	1.0
August .....	1.5	1.5	2.0	2.7	—	4.7	0.2	0.2	W	W	—	0.9

See footnotes at end of table.

**Table 11. U.S. Refiner Oxygenated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>1.2</b>	<b>1.2</b>	<b>5.0</b>	<b>1.4</b>	<b>0.2</b>	<b>6.6</b>	<b>5.9</b>	<b>6.1</b>	<b>16.5</b>	<b>7.4</b>	<b>1.1</b>	<b>25.0</b>
<b>1995</b> .....	<b>0.5</b>	<b>0.5</b>	<b>1.1</b>	<b>W</b>	<b>W</b>	<b>1.9</b>	<b>3.5</b>	<b>3.6</b>	<b>5.7</b>	<b>5.1</b>	<b>0.6</b>	<b>11.3</b>
<b>1996</b> .....	<b>0.4</b>	<b>0.4</b>	<b>0.6</b>	<b>0.5</b>	<b>NA</b>	<b>1.1</b>	<b>3.4</b>	<b>3.4</b>	<b>3.7</b>	<b>3.8</b>	<b>W</b>	<b>7.6</b>
<b>1997</b>												
January .....	0.6	0.6	0.6	W	—	1.3	5.1	5.2	4.1	5.7	—	9.8
February .....	0.5	0.5	0.6	W	—	1.2	4.9	5.0	4.0	5.3	—	9.3
March .....	0.3	0.3	0.4	0.3	—	0.7	2.7	2.8	2.6	2.8	—	5.4
April .....	0.1	0.1	0.1	W	—	0.3	1.2	1.2	0.7	2.0	—	2.7
May .....	0.1	0.1	0.1	W	—	0.3	1.7	1.7	1.3	2.1	—	3.4
June .....	0.2	0.2	0.1	W	—	0.4	2.0	2.0	1.3	2.3	—	3.6
July .....	0.2	0.2	0.1	W	—	0.4	1.7	1.7	1.3	2.3	—	3.6
August .....	0.1	0.1	0.1	W	—	0.4	1.7	1.7	1.3	2.4	—	3.6
September .....	0.2	0.2	0.2	W	—	0.5	2.0	2.1	1.7	3.1	—	4.8
October .....	0.3	0.3	0.3	W	—	0.8	2.8	2.8	2.7	5.5	—	8.2
November .....	0.4	0.4	0.5	W	—	1.2	4.2	4.3	3.9	6.8	—	10.7
December .....	0.5	0.5	0.5	W	—	1.3	4.6	4.6	4.1	7.1	—	11.2
<b>1997</b> .....	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>—</b>	<b>0.7</b>	<b>2.9</b>	<b>2.9</b>	<b>2.4</b>	<b>3.9</b>	<b>—</b>	<b>6.3</b>
<b>1998</b>												
January .....	0.4	0.4	W	W	—	1.3	4.1	4.2	3.8	6.9	—	10.7
February .....	0.4	0.4	W	W	—	1.2	3.8	3.8	3.7	6.5	—	10.2
March .....	0.2	0.2	W	W	—	0.8	2.9	2.9	3.2	4.1	—	7.4
April .....	0.2	0.2	W	W	—	0.5	2.1	2.1	1.9	3.8	—	5.6
May .....	0.2	0.2	W	W	—	0.5	2.0	2.0	1.8	3.7	—	5.5
June .....	0.2	0.2	W	W	—	0.6	2.0	2.0	1.9	4.3	—	6.2
July .....	0.2	0.2	W	W	—	0.5	1.9	2.0	2.0	3.9	—	5.9
August .....	0.2	0.2	0.3	0.3	—	0.5	1.9	1.9	W	3.6	W	5.6
September .....	0.2	0.2	W	W	—	0.8	2.1	2.1	2.7	4.2	—	6.9
October .....	0.2	0.2	0.6	0.7	—	1.3	2.1	2.1	3.3	5.9	—	9.3
November .....	0.3	0.3	W	W	—	1.8	2.9	3.0	4.2	7.1	—	11.2
December .....	0.4	0.4	W	W	—	1.9	3.1	3.1	4.3	7.5	—	11.7
<b>1998</b> .....	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>—</b>	<b>1.0</b>	<b>2.6</b>	<b>2.6</b>	<b>W</b>	<b>5.1</b>	<b>W</b>	<b>8.0</b>
<b>1999</b>												
January .....	0.4	0.4	NA	0.9	—	1.7	3.3	3.3	4.3	6.6	—	10.9
February .....	0.4	0.4	W	W	—	1.7	3.3	3.3	4.9	6.5	—	11.4
March .....	0.3	0.3	NA	0.5	—	1.3	2.9	2.9	4.5	4.6	—	9.2
April .....	0.1	0.1	NA	0.2	—	NA	1.7	1.7	NA	3.2	—	5.6
May .....	0.1	0.1	NA	0.2	—	NA	1.7	1.7	NA	3.2	—	5.8
June .....	0.1	0.1	NA	0.2	—	NA	1.8	1.8	NA	3.7	—	6.4
July .....	0.2	0.2	W	W	—	0.6	2.0	2.0	2.6	3.8	—	6.4
August .....	0.1	0.1	W	W	—	0.6	1.9	1.9	2.5	3.7	—	6.2

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 12. U.S. Refiner Reformulated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>76.4</b>	<b>75.8</b>	<b>72.0</b>	<b>56.9</b>	<b>54.3</b>	<b>63.8</b>	<b>87.9</b>	<b>87.3</b>	<b>77.0</b>	<b>62.8</b>	<b>W</b>	<b>72.8</b>
<b>1995</b> .....	<b>74.9</b>	<b>74.4</b>	<b>70.7</b>	<b>60.5</b>	<b>57.3</b>	<b>65.0</b>	<b>83.6</b>	<b>83.3</b>	<b>75.3</b>	<b>65.1</b>	<b>—</b>	<b>72.3</b>
<b>1996</b> .....	<b>83.4</b>	<b>83.0</b>	<b>78.8</b>	<b>69.8</b>	<b>67.7</b>	<b>73.8</b>	<b>92.4</b>	<b>92.1</b>	<b>83.7</b>	<b>74.1</b>	<b>W</b>	<b>80.9</b>
<b>1997</b>												
January .....	82.4	82.1	77.1	74.3	73.6	75.6	92.1	91.8	82.7	78.1	W	81.4
February .....	82.9	82.6	77.8	71.2	72.9	74.8	92.6	92.4	83.1	75.2	W	81.0
March .....	82.1	81.9	78.4	69.9	73.4	74.6	91.8	91.7	83.7	74.0	W	81.0
April .....	83.0	82.8	80.5	68.0	69.0	74.4	92.5	92.4	85.1	72.3	W	81.5
May .....	82.8	82.5	78.3	68.4	63.7	72.5	92.5	92.2	83.8	72.6	W	80.6
June .....	81.1	80.7	76.4	64.1	58.3	69.4	91.1	90.7	81.9	68.5	W	78.0
July .....	79.6	79.2	73.9	64.8	59.4	68.6	89.6	89.2	79.5	69.1	W	76.4
August .....	84.9	84.7	81.3	74.3	72.2	77.3	95.0	94.7	87.1	78.5	W	84.5
September .....	88.2	87.9	85.0	71.6	72.5	78.3	98.1	97.9	90.4	75.9	W	86.2
October .....	86.4	86.1	82.2	67.4	67.9	74.5	96.0	95.8	87.4	71.7	W	82.9
November .....	83.1	82.8	78.6	64.3	60.5	71.0	92.7	92.5	83.7	68.6	W	79.4
December .....	79.4	79.1	74.5	60.7	58.7	67.0	89.3	89.1	79.7	65.2	W	75.5
<b>1997</b> .....	<b>83.0</b>	<b>82.8</b>	<b>78.7</b>	<b>68.2</b>	<b>66.8</b>	<b>73.1</b>	<b>92.8</b>	<b>92.5</b>	<b>84.0</b>	<b>72.5</b>	<b>W</b>	<b>80.7</b>
<b>1998</b>												
January .....	74.3	74.1	69.5	56.6	55.4	62.7	83.1	82.9	74.8	60.8	W	70.8
February .....	67.6	67.4	62.6	53.8	52.4	57.9	77.8	77.7	68.0	57.9	W	65.1
March .....	62.7	62.5	57.5	50.9	49.9	54.1	72.9	72.7	63.1	55.0	W	60.8
April .....	65.3	65.1	59.9	54.6	54.5	57.2	75.0	74.9	65.5	58.8	W	63.6
May .....	70.6	70.4	65.7	57.2	53.5	60.7	80.0	79.9	71.2	61.6	W	68.4
June .....	69.3	69.1	64.7	53.5	49.7	58.4	79.2	79.0	70.3	58.2	W	66.6
July .....	68.0	67.8	62.8	51.8	47.8	56.2	78.3	78.2	68.7	56.4	W	64.9
August .....	66.5	66.2	60.7	47.9	W	53.8	76.9	76.7	66.4	W	W	62.1
September .....	65.0	64.7	59.4	49.0	46.0	53.4	75.4	75.2	65.2	53.3	W	61.6
October .....	65.2	64.9	59.8	50.4	46.7	54.4	75.5	75.3	65.7	54.9	NA	62.5
November .....	64.0	63.7	59.1	46.0	44.2	51.9	74.6	74.4	65.1	50.3	W	60.7
December .....	61.7	61.4	57.2	40.5	37.6	47.8	72.5	72.2	63.2	45.3	W	57.9
<b>1998</b> .....	<b>66.7</b>	<b>66.4</b>	<b>61.6</b>	<b>50.9</b>	<b>48.6</b>	<b>55.7</b>	<b>76.8</b>	<b>76.6</b>	<b>W</b>	<b>55.3</b>	<b>W</b>	<b>63.7</b>
<b>1999</b>												
January .....	60.7	60.4	55.6	41.8	38.2	47.7	70.9	70.7	61.6	46.2	NA	57.0
February .....	58.6	58.1	54.0	40.0	39.4	46.4	69.1	68.9	60.1	44.5	W	55.4
March .....	67.8	67.5	62.0	52.0	50.0	56.4	77.1	76.9	67.3	55.9	W	63.9
April .....	87.2	86.8	NA	62.4	56.2	71.0	93.5	93.2	NA	65.5	NA	NA
May .....	82.8	82.5	NA	59.5	54.2	67.5	90.7	90.5	NA	64.4	NA	NA
June .....	77.1	76.8	NA	NA	59.2	NA	86.7	86.5	NA	NA	NA	NA
July .....	81.0	80.8	76.9	69.1	69.1	72.8	90.7	90.5	82.1	72.9	W	79.3
August .....	87.4	87.2	83.7	72.6	72.4	78.0	96.7	96.5	88.9	77.1	W	85.2

See footnotes at end of table.

**Table 12. U.S. Refiner Reformulated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>96.6</b>	<b>95.8</b>	<b>86.1</b>	<b>67.7</b>	<b>55.8</b>	<b>77.7</b>	<b>83.1</b>	<b>82.4</b>	<b>77.1</b>	<b>59.9</b>	<b>54.7</b>	<b>68.7</b>
<b>1995</b> .....	<b>92.9</b>	<b>92.4</b>	<b>84.1</b>	<b>70.4</b>	<b>61.6</b>	<b>78.5</b>	<b>80.8</b>	<b>80.3</b>	<b>75.6</b>	<b>63.2</b>	<b>58.2</b>	<b>69.6</b>
<b>1996</b> .....	<b>100.2</b>	<b>99.8</b>	<b>91.0</b>	<b>79.1</b>	<b>70.9</b>	<b>85.9</b>	<b>88.2</b>	<b>87.8</b>	<b>82.8</b>	<b>72.0</b>	<b>68.2</b>	<b>77.4</b>
<b>1997</b>												
January .....	101.1	100.7	91.3	W	76.5	88.4	87.3	87.0	81.5	76.4	74.0	79.0
February .....	101.0	100.7	91.1	W	74.2	87.3	87.6	87.3	81.9	73.2	73.1	78.1
March .....	100.0	99.6	91.1	W	71.7	86.1	86.8	86.6	82.4	71.8	73.1	77.8
April .....	100.0	100.1	91.9	W	69.5	86.0	87.5	87.5	84.0	70.1	69.1	77.8
May .....	99.5	99.3	90.3	W	70.1	85.1	87.4	87.2	82.2	70.6	64.7	76.3
June .....	98.6	97.9	88.9	W	64.9	82.6	86.0	85.6	80.5	66.4	59.5	73.4
July .....	97.6	96.9	86.8	W	64.3	81.5	84.4	84.1	78.1	67.1	60.3	72.4
August .....	103.0	102.8	94.3	W	78.1	90.1	89.6	89.5	85.4	76.6	73.1	80.9
September .....	105.9	106.0	97.1	W	75.2	90.7	92.7	92.6	88.7	73.7	73.0	81.8
October .....	103.2	102.9	93.7	W	67.6	85.8	90.7	90.4	85.8	69.4	67.8	77.9
November .....	100.1	99.8	90.3	W	62.4	82.3	87.5	87.2	82.3	66.2	61.0	74.5
December .....	96.8	96.6	86.5	W	60.3	79.0	83.9	83.6	78.2	62.6	59.0	70.6
<b>1997</b> .....	<b>100.5</b>	<b>100.3</b>	<b>91.0</b>	<b>77.5</b>	<b>68.6</b>	<b>85.3</b>	<b>87.6</b>	<b>87.4</b>	<b>82.5</b>	<b>70.3</b>	<b>67.1</b>	<b>76.7</b>
<b>1998</b>												
January .....	91.2	91.0	81.6	65.2	58.8	75.5	78.7	78.5	73.3	58.5	55.8	66.3
February .....	85.8	85.6	75.3	62.3	53.2	70.2	72.4	72.2	66.6	55.7	52.5	61.4
March .....	81.2	81.0	70.7	59.7	50.8	65.8	67.6	67.4	61.7	52.9	50.1	57.5
April .....	83.0	82.8	72.8	W	58.1	68.7	69.9	69.7	63.9	56.6	55.2	60.4
May .....	87.5	87.3	77.6	W	57.4	72.3	75.1	74.8	69.5	59.2	54.2	64.0
June .....	86.8	86.6	76.8	W	54.3	71.1	74.0	73.7	68.5	55.6	50.3	62.1
July .....	86.8	86.6	75.3	W	52.1	69.5	73.0	72.8	66.9	54.0	48.2	60.0
August .....	84.6	84.4	W	57.5	49.4	66.6	71.5	71.2	64.8	50.2	W	57.6
September .....	83.2	83.0	72.1	W	48.8	65.5	70.0	69.6	63.5	51.2	46.5	57.0
October .....	83.7	83.4	72.7	59.9	51.1	66.7	70.3	70.0	64.0	52.6	47.6	58.1
November .....	82.5	82.2	71.8	W	47.2	64.2	69.1	68.8	63.3	48.1	44.8	55.7
December .....	80.3	79.9	69.6	W	41.7	61.1	66.9	66.5	61.4	42.7	38.3	51.9
<b>1998</b> .....	<b>84.7</b>	<b>84.4</b>	<b>74.1</b>	<b>59.8</b>	<b>51.6</b>	<b>68.0</b>	<b>71.5</b>	<b>71.2</b>	<b>65.6</b>	<b>53.0</b>	<b>W</b>	<b>59.3</b>
<b>1999</b>												
January .....	78.6	78.2	67.8	50.5	42.1	59.8	65.8	65.5	59.7	43.9	39.0	51.5
February .....	76.7	76.1	66.2	W	42.2	58.6	63.7	63.3	58.1	42.1	39.9	50.1
March .....	83.4	82.9	72.4	W	52.6	66.7	72.1	71.7	65.4	53.8	50.4	59.5
April .....	98.8	98.4	NA	68.8	60.6	NA	90.0	89.6	NA	63.8	57.0	73.4
May .....	98.2	97.8	NA	68.3	NA	NA	86.6	86.2	NA	61.5	54.5	NA
June .....	94.4	94.0	NA	NA	NA	NA	81.4	81.1	NA	NA	59.8	NA
July .....	98.0	97.7	89.4	W	71.0	83.9	85.2	85.0	80.5	70.9	69.4	75.7
August .....	104.4	104.1	96.1	W	73.0	89.4	91.4	91.2	87.2	74.5	72.5	81.0

Dash (–) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 13. U.S. Refiner Reformulated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>0.6</b>	<b>0.6</b>	<b>2.1</b>	<b>1.6</b>	<b>0.6</b>	<b>4.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.7</b>	<b>0.3</b>	<b>W</b>	<b>1.0</b>
<b>1995</b> .....	<b>7.8</b>	<b>8.1</b>	<b>20.7</b>	<b>W</b>	<b>W</b>	<b>43.3</b>	<b>3.0</b>	<b>3.1</b>	<b>7.4</b>	<b>3.1</b>	<b>—</b>	<b>10.5</b>
<b>1996</b> .....	<b>10.7</b>	<b>11.1</b>	<b>26.1</b>	<b>20.5</b>	<b>8.0</b>	<b>54.6</b>	<b>3.3</b>	<b>3.4</b>	<b>7.9</b>	<b>3.3</b>	<b>W</b>	<b>11.3</b>
<b>1997</b>												
January .....	11.3	11.8	27.2	19.8	7.3	54.3	3.2	3.3	7.9	3.0	W	10.8
February .....	12.1	12.6	28.3	20.7	6.9	55.9	3.3	3.4	8.1	3.0	W	11.1
March .....	12.4	12.9	28.4	21.2	7.4	57.0	3.4	3.5	8.0	3.1	W	11.1
April .....	12.4	12.8	29.0	21.1	7.0	57.1	3.4	3.5	7.9	3.0	W	11.0
May .....	12.0	12.4	27.3	21.1	7.9	56.3	3.3	3.4	7.9	3.1	W	11.1
June .....	12.2	12.6	27.4	21.5	7.0	56.0	3.4	3.5	7.9	3.2	W	11.1
July .....	14.0	14.4	27.5	22.7	6.8	57.0	3.8	3.9	8.0	3.4	W	11.5
August .....	14.8	15.1	28.1	23.2	8.5	59.8	3.9	4.0	8.0	3.4	W	11.5
September .....	14.7	15.1	27.7	22.0	7.3	57.0	3.7	3.8	7.7	3.1	W	10.8
October .....	14.9	15.3	28.0	22.4	8.7	59.1	3.7	3.8	7.7	3.1	W	10.9
November .....	14.3	14.6	28.7	21.8	6.9	57.4	3.6	3.7	7.7	3.0	W	10.7
December .....	15.6	15.9	29.0	22.6	8.8	60.3	4.0	4.0	7.7	3.1	W	10.9
<b>1997</b> .....	<b>13.4</b>	<b>13.8</b>	<b>28.0</b>	<b>21.7</b>	<b>7.6</b>	<b>57.3</b>	<b>3.6</b>	<b>3.7</b>	<b>7.9</b>	<b>3.1</b>	<b>W</b>	<b>11.0</b>
<b>1998</b>												
January .....	13.6	13.8	27.4	20.9	8.2	56.5	3.7	3.7	7.2	W	W	10.0
February .....	14.4	14.6	28.4	21.9	7.4	57.7	3.6	3.6	7.3	W	W	10.3
March .....	14.6	14.8	29.1	22.5	6.8	58.4	3.6	3.7	7.4	W	W	10.4
April .....	15.0	15.2	29.7	22.8	8.6	61.2	3.7	3.7	7.5	W	W	10.5
May .....	14.9	15.2	29.9	23.5	9.8	63.1	3.8	3.8	7.5	W	W	10.6
June .....	15.3	15.6	30.3	24.2	8.2	62.7	3.9	3.9	7.6	W	W	10.9
July .....	15.8	16.0	29.5	24.3	10.6	64.5	4.1	4.1	7.6	W	W	11.0
August .....	15.4	15.6	29.2	W	W	61.4	4.0	4.0	7.5	W	W	10.9
September .....	15.4	15.7	28.6	23.6	9.3	61.5	4.0	4.0	7.4	W	W	10.5
October .....	14.3	14.6	28.3	23.6	7.7	59.7	3.9	3.9	7.4	3.1	NA	10.5
November .....	13.9	14.2	27.4	22.7	8.4	58.5	3.8	3.8	7.2	W	W	10.3
December .....	14.5	14.8	27.9	23.9	8.7	60.5	3.9	3.9	7.3	W	W	10.4
<b>1998</b> .....	<b>14.8</b>	<b>15.0</b>	<b>28.8</b>	<b>23.2</b>	<b>8.5</b>	<b>60.5</b>	<b>3.8</b>	<b>3.9</b>	<b>W</b>	<b>3.1</b>	<b>W</b>	<b>10.5</b>
<b>1999</b>												
January .....	13.0	13.3	25.4	21.3	8.0	54.6	3.7	3.7	6.5	2.7	NA	9.2
February .....	13.6	14.0	27.5	23.3	9.1	59.9	3.7	3.7	7.0	W	W	10.0
March .....	14.3	14.6	29.0	24.2	8.5	61.8	3.7	3.8	7.1	W	W	10.1
April .....	15.2	15.6	NA	24.1	9.4	63.7	3.6	3.6	NA	2.9	NA	NA
May .....	15.5	15.8	NA	25.2	10.8	66.2	3.7	3.7	NA	3.1	NA	NA
June .....	16.4	16.7	NA	NA	12.0	NA	3.9	3.9	NA	NA	NA	NA
July .....	15.6	16.0	32.0	26.7	10.2	68.9	3.8	3.8	7.3	W	W	10.6
August .....	15.6	16.0	32.0	26.6	7.9	66.5	3.6	3.7	7.1	W	W	10.2

See footnotes at end of table.

**Table 13. U.S. Refiner Reformulated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>0.2</b>	<b>0.2</b>	<b>1.2</b>	<b>0.5</b>	<b>0.2</b>	<b>1.9</b>	<b>1.0</b>	<b>1.0</b>	<b>4.0</b>	<b>2.4</b>	<b>0.8</b>	<b>7.2</b>
<b>1995</b> .....	<b>3.1</b>	<b>3.2</b>	<b>12.0</b>	<b>W</b>	<b>W</b>	<b>18.9</b>	<b>14.0</b>	<b>14.4</b>	<b>40.1</b>	<b>25.9</b>	<b>6.6</b>	<b>72.6</b>
<b>1996</b> .....	<b>3.1</b>	<b>3.2</b>	<b>11.7</b>	<b>5.3</b>	<b>1.5</b>	<b>18.6</b>	<b>17.0</b>	<b>17.6</b>	<b>45.7</b>	<b>29.2</b>	<b>9.6</b>	<b>84.5</b>
<b>1997</b>												
January .....	2.9	3.0	11.1	W	1.0	16.9	17.5	18.2	46.2	27.5	8.3	82.0
February .....	3.0	3.1	11.5	W	0.8	17.1	18.4	19.1	47.9	28.5	7.8	84.2
March .....	3.1	3.2	11.6	W	1.5	18.2	18.9	19.7	48.0	29.3	8.9	86.2
April .....	3.2	3.4	11.7	W	1.4	18.2	19.0	19.8	48.6	29.3	8.4	86.3
May .....	3.2	3.4	11.5	W	1.5	18.4	18.5	19.2	46.7	29.6	9.5	85.8
June .....	3.4	3.6	11.8	W	1.6	18.8	18.9	19.6	47.1	30.1	8.7	86.0
July .....	3.7	4.0	11.8	W	1.5	19.2	21.5	22.2	47.4	32.0	8.3	87.7
August .....	3.6	3.8	11.4	W	1.5	18.5	22.3	22.9	47.5	32.2	10.0	89.7
September .....	3.4	3.7	10.7	W	1.2	17.1	21.9	22.6	46.1	30.2	8.6	84.9
October .....	3.5	3.6	11.1	W	2.0	18.4	22.2	22.7	46.8	30.9	10.7	88.4
November .....	3.5	3.5	11.6	W	2.2	18.9	21.4	21.8	47.9	30.0	9.1	87.0
December .....	3.8	3.8	11.8	W	1.9	19.2	23.4	23.7	48.5	31.2	10.7	90.4
<b>1997</b> .....	<b>3.4</b>	<b>3.5</b>	<b>11.5</b>	<b>5.3</b>	<b>1.5</b>	<b>18.2</b>	<b>20.3</b>	<b>21.0</b>	<b>47.4</b>	<b>30.1</b>	<b>9.1</b>	<b>86.6</b>
<b>1998</b>												
January .....	3.5	3.5	11.2	W	W	17.3	20.7	21.0	45.8	28.7	9.3	83.8
February .....	3.7	3.7	11.9	W	W	18.3	21.7	22.0	47.6	30.1	8.5	86.2
March .....	3.8	3.9	12.3	W	W	19.6	22.0	22.4	48.8	31.0	8.6	88.4
April .....	3.8	3.9	12.3	W	W	19.8	22.5	22.8	49.4	31.5	10.5	91.5
May .....	3.8	3.9	12.2	W	W	19.9	22.6	22.9	49.5	32.4	11.7	93.6
June .....	4.0	4.0	12.5	W	W	19.8	23.2	23.5	50.4	33.5	9.5	93.4
July .....	4.2	4.2	12.6	W	W	20.2	24.0	24.3	49.7	34.2	11.8	95.7
August .....	4.2	4.2	W	6.4	W	20.6	23.5	23.9	W	34.2	W	92.9
September .....	4.1	4.2	12.5	W	W	21.0	23.5	23.9	48.5	33.0	11.5	93.0
October .....	3.9	4.0	12.4	6.2	2.0	20.7	22.1	22.5	48.1	33.0	9.8	90.9
November .....	3.8	3.9	12.2	W	W	20.4	21.5	21.9	46.9	31.8	10.4	89.1
December .....	4.0	4.0	12.5	W	W	20.6	22.3	22.7	47.8	33.6	10.2	91.6
<b>1998</b> .....	<b>3.9</b>	<b>3.9</b>	<b>12.3</b>	<b>6.0</b>	<b>1.6</b>	<b>19.9</b>	<b>22.5</b>	<b>22.8</b>	<b>W</b>	<b>32.3</b>	<b>W</b>	<b>90.9</b>
<b>1999</b>												
January .....	3.7	3.8	11.2	5.8	2.0	19.0	20.4	20.7	43.1	29.8	9.9	82.9
February .....	3.8	3.9	12.3	W	W	20.5	21.2	21.6	46.7	32.7	11.0	90.4
March .....	3.8	3.8	12.1	W	W	20.2	21.8	22.2	48.2	33.7	10.1	92.0
April .....	3.5	3.5	NA	5.7	2.0	NA	22.3	22.7	NA	32.6	11.4	91.7
May .....	3.6	3.7	NA	6.1	NA	NA	22.8	23.2	NA	34.4	13.0	NA
June .....	3.8	3.9	NA	NA	NA	NA	24.1	24.5	NA	NA	13.7	NA
July .....	3.6	3.6	11.8	W	W	19.9	23.0	23.4	51.2	36.5	11.8	99.5
August .....	3.4	3.4	11.1	W	W	18.8	22.7	23.1	50.1	36.0	9.4	95.5

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 14. U.S. Propane (Consumer Grade) Prices by Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users							Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets	Petro- Chemical	Other End Users	Average	
<b>1994</b> .....	<b>87.2</b>	<b>76.5</b>	<b>65.2</b>	<b>73.6</b>	<b>31.1</b>	<b>63.4</b>	<b>77.6</b>	<b>33.6</b>
<b>1995</b> .....	<b>86.5</b>	<b>77.7</b>	<b>64.6</b>	<b>74.7</b>	<b>32.4</b>	<b>66.2</b>	<b>76.6</b>	<b>35.4</b>
<b>1996</b> .....	<b>99.1</b>	<b>88.4</b>	<b>73.3</b>	<b>75.7</b>	<b>41.3</b>	<b>76.4</b>	<b>88.6</b>	<b>47.1</b>
<b>1997</b>								
January .....	117.8	105.9	91.0	88.6	54.0	93.7	110.0	61.2
February .....	107.3	97.1	79.6	77.8	42.1	82.6	97.9	46.0
March .....	102.2	92.4	80.0	74.7	41.2	79.2	90.8	42.8
April .....	98.6	90.2	76.9	71.4	36.2	78.2	84.9	39.1
May .....	97.2	88.3	74.6	70.1	35.9	79.4	81.3	38.1
June .....	95.6	87.6	73.4	69.7	35.3	80.6	80.8	37.5
July .....	90.3	86.3	73.2	68.6	35.3	74.0	78.3	37.0
August .....	86.1	84.3	72.1	66.8	36.9	71.0	77.0	38.4
September .....	87.7	84.7	73.3	68.4	37.6	70.0	77.6	40.3
October .....	89.9	84.9	73.2	69.9	39.5	65.6	78.2	41.9
November .....	92.1	86.7	73.7	69.0	38.6	68.0	82.0	40.8
December .....	94.5	87.4	74.9	69.2	35.2	71.4	85.8	38.7
<b>1997</b> .....	<b>99.6</b>	<b>90.5</b>	<b>77.8</b>	<b>72.6</b>	<b>38.4</b>	<b>74.3</b>	<b>87.8</b>	<b>42.6</b>
<b>1998</b>								
January .....	94.7	86.5	80.9	67.2	32.2	70.6	85.5	36.5
February .....	96.3	87.7	77.4	66.6	30.9	70.4	84.9	34.1
March .....	93.5	85.5	75.4	64.5	28.7	70.0	82.6	32.3
April .....	94.4	84.3	78.3	64.5	28.9	72.8	80.6	31.1
May .....	94.9	84.9	76.5	74.4	28.1	76.3	78.2	30.0
June .....	90.4	84.0	69.6	63.0	25.2	71.8	75.4	27.4
July .....	86.1	82.4	68.0	60.1	24.9	68.2	73.9	26.6
August .....	82.2	80.5	67.1	59.3	24.3	64.4	70.8	26.5
September .....	81.8	79.1	65.7	58.0	24.3	59.7	71.6	26.9
October .....	82.6	76.6	66.0	58.0	25.9	56.0	71.2	28.5
November .....	84.4	75.4	67.8	77.6	26.0	60.0	74.9	28.4
December .....	85.0	75.9	67.4	77.2	21.5	61.2	75.0	26.4
<b>1998</b> .....	<b>89.5</b>	<b>82.0</b>	<b>71.9</b>	<b>68.0</b>	<b>27.1</b>	<b>65.2</b>	<b>78.1</b>	<b>29.8</b>
<b>1999</b>								
January .....	85.3	76.3	68.0	75.8	23.2	62.2	77.4	27.3
February .....	87.1	75.6	68.9	77.9	23.6	63.0	76.7	27.3
March .....	87.6	76.0	68.7	78.7	23.3	63.2	77.0	27.7
April .....	87.8	78.1	70.5	80.7	27.6	65.4	74.9	29.6
May .....	90.1	80.2	70.6	83.0	26.7	69.2	75.9	29.9
June .....	90.5	80.6	71.5	W	30.9	68.0	74.8	30.4
July .....	83.9	81.4	73.0	86.5	36.1	67.2	72.0	35.8
August .....	81.9	81.2	74.6	W	40.0	67.3	69.6	39.6

W = Withheld to avoid disclosure of individual company data.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."



**Table 15. U.S. No. 2 Distillate<sup>a</sup> Prices by Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>b</sup>	Other End Users <sup>c</sup>	Average	
<b>1983</b> .....	107.8	86.3	88.3	94.3	89.7	93.3	81.8
<b>1984</b> .....	109.1	85.7	87.0	92.0	89.2	92.6	81.9
<b>1985</b> .....	105.3	82.1	83.4	88.6	85.3	89.0	78.1
<b>1986</b> .....	83.6	51.4	53.7	59.8	56.9	61.4	48.0
<b>1987</b> .....	80.3	56.6	59.7	64.4	63.1	64.3	53.5
<b>1988</b> .....	81.3	51.9	54.2	61.6	58.7	61.2	48.2
<b>1989</b> .....	90.0	60.8	63.8	68.5	66.7	69.5	57.2
<b>1990</b> .....	106.3	75.1	78.0	85.2	82.8	84.1	70.6
<b>1991</b> .....	101.9	67.5	69.7	74.5	73.8	76.0	62.7
<b>1992</b> .....	93.4	63.7	67.5	72.1	72.1	72.6	59.1
<b>1993</b> .....	91.1	62.0	66.7	71.1	70.5	71.0	56.6
<b>1994</b> .....	88.4	58.7	64.1	67.3	65.5	67.5	52.9
<b>1995</b> .....	86.7	59.3	64.4	67.0	67.3	67.3	53.6
<b>1996</b> .....	98.9	71.4	77.1	78.8	79.3	79.3	66.0
<b>1997</b> .....							
January .....	107.9	77.0	81.7	84.1	83.5	88.2	70.6
February .....	105.1	74.5	79.1	81.9	82.0	84.8	67.2
March .....	101.6	69.3	73.0	76.5	76.4	78.5	61.7
April .....	99.2	67.7	72.3	75.5	76.8	75.8	61.8
May .....	96.4	66.3	71.0	74.5	75.9	73.3	60.8
June .....	92.3	63.1	67.9	72.2	73.1	69.7	56.9
July .....	88.3	62.0	66.7	70.5	71.2	68.0	56.1
August .....	86.9	64.2	68.5	71.9	73.0	69.9	58.8
September .....	88.7	63.7	68.5	71.4	73.2	70.1	57.8
October .....	92.3	67.3	71.1	73.8	76.5	73.7	61.9
November .....	94.1	68.0	71.0	74.0	75.1	75.4	61.6
December .....	93.8	63.9	66.7	70.9	70.4	73.8	56.0
<b>1997</b> .....	<b>98.4</b>	<b>67.4</b>	<b>71.2</b>	<b>74.5</b>	<b>75.3</b>	<b>75.3</b>	<b>61.1</b>
<b>1998</b> .....							
January .....	92.5	59.4	61.8	66.3	65.6	69.8	51.0
February .....	91.5	57.5	60.1	63.5	63.4	67.6	49.6
March .....	89.6	54.9	57.5	61.6	62.0	64.5	47.1
April .....	87.6	55.7	58.6	61.6	63.6	62.5	48.5
May .....	84.8	54.3	57.4	61.9	63.0	60.3	47.3
June .....	81.1	50.9	54.7	59.1	59.8	56.8	44.1
July .....	77.6	49.9	54.0	57.9	57.4	55.4	42.7
August .....	75.5	48.7	52.4	56.2	56.9	54.1	41.3
September .....	77.0	51.6	55.3	58.1	59.8	56.9	45.5
October .....	78.6	51.7	55.3	58.8	60.5	58.0	45.2
November .....	79.9	49.6	53.0	56.6	57.2	57.4	41.8
December .....	79.0	45.7	48.6	52.4	52.6	55.2	36.7
<b>1998</b> .....	<b>85.2</b>	<b>52.4</b>	<b>55.7</b>	<b>59.4</b>	<b>60.1</b>	<b>60.0</b>	<b>45.0</b>
<b>1999</b> .....							
January .....	80.4	46.7	48.9	51.5	51.1	57.4	37.7
February .....	79.8	45.0	47.9	50.3	50.7	55.1	36.0
March .....	80.9	50.5	53.6	55.0	55.8	58.9	43.3
April .....	82.9	55.0	57.9	63.2	62.1	62.0	48.2
May .....	82.1	54.3	57.1	63.0	62.8	60.6	47.4
June .....	80.8	56.5	58.3	63.6	64.9	61.5	49.9
July .....	81.6	61.1	63.7	68.8	68.3	66.0	56.0
August .....	83.1	65.9	68.4	73.7	74.2	71.0	61.0
September <sup>d</sup> .....	<sup>E</sup> 85.2	NA	NA	<sup>E</sup> 77.1	NA	NA	<sup>E</sup> 63.6

NA = Not available.

E = Estimated data.

<sup>a</sup> Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.

<sup>b</sup> Includes low-sulfur diesel fuel only.

<sup>c</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>d</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

Notes: Values shown for the current two months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 16. U.S. No. 2 Diesel Fuel Prices by Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
<b>1994</b> .....	<b>57.7</b>	<b>64.5</b>	<b>67.3</b>	<b>66.1</b>	<b>62.8</b>	<b>53.8</b>
<b>1995</b> .....	<b>58.8</b>	<b>64.9</b>	<b>67.0</b>	<b>67.7</b>	<b>63.6</b>	<b>54.6</b>
<b>1996</b> .....	<b>71.1</b>	<b>77.5</b>	<b>78.8</b>	<b>79.6</b>	<b>75.7</b>	<b>66.7</b>
<b>1997</b>						
January .....	75.6	81.7	84.1	83.7	80.4	70.7
February .....	73.7	79.1	81.9	82.1	78.3	68.5
March .....	68.3	73.2	76.5	76.6	72.9	63.4
April .....	67.1	72.7	75.5	77.2	72.3	62.8
May .....	66.0	71.3	74.5	76.3	71.3	61.3
June .....	62.8	68.2	72.2	73.5	68.6	57.4
July .....	61.8	67.1	70.5	72.0	67.2	56.6
August .....	64.2	69.1	71.9	73.6	69.1	59.6
September .....	63.6	69.3	71.4	73.8	68.6	58.6
October .....	67.1	71.8	73.8	76.8	71.6	62.6
November .....	67.4	71.7	74.0	75.7	71.5	62.5
December .....	62.3	67.3	70.9	70.8	67.1	56.4
<b>1997</b> .....	<b>66.6</b>	<b>71.5</b>	<b>74.5</b>	<b>75.7</b>	<b>71.4</b>	<b>61.6</b>
<b>1998</b>						
January .....	57.1	62.2	66.3	65.8	62.3	51.0
February .....	55.5	60.3	63.5	63.4	60.1	49.5
March .....	53.1	57.8	61.6	62.0	58.0	47.2
April .....	54.9	59.1	61.6	63.8	59.3	49.3
May .....	54.0	58.1	61.9	63.9	59.0	48.2
June .....	50.8	55.3	59.1	60.5	55.8	44.8
July .....	49.7	54.7	57.9	58.0	54.6	43.4
August .....	48.6	53.2	56.2	57.7	53.4	42.2
September .....	51.4	55.9	58.1	60.3	55.7	46.2
October .....	51.4	55.9	58.8	60.9	56.1	46.2
November .....	48.6	53.6	56.6	57.5	53.4	42.4
December .....	44.3	49.1	52.4	52.9	49.0	36.8
<b>1998</b> .....	<b>51.5</b>	<b>56.3</b>	<b>59.4</b>	<b>60.5</b>	<b>56.3</b>	<b>45.5</b>
<b>1999</b>						
January .....	44.4	48.9	51.5	51.6	48.6	37.6
February .....	43.3	48.3	50.3	50.8	47.5	36.5
March .....	49.2	54.2	55.0	56.0	53.0	44.5
April .....	54.9	58.4	63.2	62.4	59.6	49.2
May .....	54.4	57.6	63.0	63.2	59.6	48.3
June .....	57.0	58.8	63.6	65.6	61.1	51.0
July .....	61.8	64.0	68.8	69.8	66.0	57.0
August .....	66.7	68.9	73.7	75.2	71.0	62.0
September <sup>c</sup> .....	NA	NA	<sup>E</sup> 77.1	NA	NA	NA

NA = Not available.

E = Estimated data.

<sup>a</sup> Includes low-sulfur diesel fuel only.

<sup>b</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>c</sup> **Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.**

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current two months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 17. U.S. No. 2 Diesel Fuel Prices by Sulfur Content and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Low-Sulfur Diesel Fuel						High-Sulfur Diesel Fuel				
	Sales to End Users					Sales for Resale	Sales to End Users				Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets	Other End Users <sup>a</sup>	Average		Commercial/ Institutional Consumers	Industrial Consumers	Other End Users <sup>a</sup>	Average	
<b>1994</b> .....	<b>59.1</b>	<b>66.0</b>	<b>67.3</b>	<b>67.4</b>	<b>64.2</b>	<b>54.2</b>	<b>55.3</b>	<b>62.9</b>	<b>64.6</b>	<b>59.8</b>	<b>51.9</b>
<b>1995</b> .....	<b>59.8</b>	<b>66.3</b>	<b>67.0</b>	<b>68.4</b>	<b>64.5</b>	<b>55.1</b>	<b>56.8</b>	<b>63.6</b>	<b>66.7</b>	<b>61.4</b>	<b>52.4</b>
<b>1996</b> .....	<b>72.3</b>	<b>79.1</b>	<b>78.8</b>	<b>80.6</b>	<b>76.7</b>	<b>67.3</b>	<b>68.7</b>	<b>75.9</b>	<b>78.4</b>	<b>73.2</b>	<b>63.9</b>
<b>1997</b>											
January .....	76.6	82.7	84.1	83.7	81.2	71.0	73.8	80.7	83.7	78.2	69.4
February .....	74.9	81.6	81.9	82.5	79.3	68.8	71.5	76.8	81.7	75.4	66.5
March .....	69.0	74.8	76.5	76.7	73.7	64.0	67.0	71.7	76.6	70.6	60.9
April .....	67.7	74.4	75.5	77.0	72.8	63.2	65.8	71.0	77.4	70.6	60.6
May .....	66.4	72.0	74.5	76.3	71.8	61.8	65.1	70.5	76.3	69.9	59.1
June .....	62.9	68.7	72.2	73.9	69.1	57.7	62.6	67.6	73.0	66.9	56.1
July .....	61.7	67.7	70.5	72.5	67.7	56.9	61.9	66.5	71.4	65.9	55.1
August .....	64.4	69.8	71.9	74.2	69.6	59.9	63.9	68.4	72.7	67.5	58.0
September .....	63.5	70.3	71.4	74.2	68.9	58.7	63.7	68.1	73.2	67.5	57.9
October .....	67.2	72.3	73.8	77.2	71.9	62.9	66.8	71.1	76.3	70.8	61.0
November .....	67.5	72.0	74.0	76.3	71.9	63.0	67.1	71.2	74.9	70.2	59.9
December .....	62.9	66.9	70.9	71.4	67.8	56.7	61.1	67.7	70.0	64.9	54.9
<b>1997</b> .....	<b>67.0</b>	<b>72.2</b>	<b>74.5</b>	<b>76.0</b>	<b>71.9</b>	<b>61.9</b>	<b>65.9</b>	<b>70.8</b>	<b>75.3</b>	<b>69.8</b>	<b>60.2</b>
<b>1998</b>											
January .....	57.5	61.7	66.3	65.5	62.9	51.4	56.3	62.8	66.3	60.3	49.1
February .....	55.6	59.5	63.5	63.3	60.5	49.9	55.4	61.1	63.5	58.9	47.9
March .....	53.2	57.4	61.6	61.9	58.5	47.5	52.8	58.2	62.1	56.4	45.2
April .....	54.9	58.7	61.6	63.6	59.4	49.7	54.9	59.6	64.1	58.8	46.8
May .....	53.9	58.1	61.9	63.8	59.1	48.8	54.4	58.1	64.0	58.5	45.5
June .....	50.7	54.4	59.1	60.5	56.1	45.3	50.9	56.3	60.5	55.2	42.4
July .....	49.5	54.0	57.9	58.0	54.8	43.8	50.0	55.6	58.0	53.7	41.6
August .....	48.4	53.3	56.2	57.4	53.6	42.4	48.9	53.1	58.2	52.5	40.6
September .....	51.5	55.9	58.1	60.2	55.9	46.6	51.1	55.8	60.4	54.9	44.1
October .....	51.4	56.0	58.8	60.4	56.2	46.5	51.5	55.8	61.4	55.7	44.8
November .....	48.8	53.3	56.6	57.0	53.8	42.7	48.2	54.1	58.1	52.2	40.7
December .....	44.5	48.5	52.4	51.8	49.3	37.0	43.7	49.7	54.6	47.9	35.7
<b>1998</b> .....	<b>51.5</b>	<b>55.9</b>	<b>59.4</b>	<b>60.2</b>	<b>56.6</b>	<b>45.8</b>	<b>51.5</b>	<b>56.7</b>	<b>60.9</b>	<b>55.4</b>	<b>43.7</b>
<b>1999</b>											
January .....	45.0	48.4	51.5	51.1	49.1	37.9	43.2	49.5	52.4	46.7	36.3
February .....	43.5	47.5	50.3	50.3	47.9	36.8	42.7	49.2	51.6	46.4	34.8
March .....	49.7	53.5	55.0	55.6	53.3	44.9	48.2	55.1	56.6	52.0	41.5
April .....	56.6	58.4	63.2	63.7	60.8	49.7	51.6	58.5	60.5	55.4	46.3
May .....	55.7	57.9	63.0	64.0	60.6	48.6	51.8	57.1	62.2	55.9	46.1
June .....	58.7	58.6	63.6	67.5	62.1	51.6	53.7	59.2	62.6	57.2	47.2
July .....	63.2	63.6	68.8	71.2	67.0	57.5	58.9	64.7	67.3	62.3	53.4
August .....	67.8	68.3	73.7	77.6	71.9	62.4	64.6	69.7	71.7	67.7	58.7
September <sup>b</sup> .....	NA	NA	<sup>E</sup> 77.1	NA	NA	NA	NA	NA	NA	NA	NA

NA = Not available.

E = Estimated data. Includes on-highway diesel fuel only.

<sup>a</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>b</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current two months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**  
(Cents per Gallon Excluding Taxes)

Year Month	U.S. Average	PAD District I								
		Average	CT	ME	MA	NH	RI	VT	DE	DC
<b>1978</b> .....	<b>49.0</b>	—	<b>50.1</b>	<b>48.6</b>	<b>48.8</b>	<b>50.3</b>	<b>50.7</b>	<b>50.8</b>	<b>47.8</b>	<b>50.7</b>
<b>1979</b> .....	<b>70.4</b>	—	<b>72.0</b>	<b>68.8</b>	<b>70.9</b>	<b>72.5</b>	<b>72.8</b>	<b>72.5</b>	<b>68.2</b>	<b>74.2</b>
<b>1980</b> .....	<b>97.4</b>	—	<b>98.3</b>	<b>96.3</b>	<b>97.8</b>	<b>100.4</b>	<b>101.1</b>	<b>101.5</b>	<b>95.4</b>	<b>102.6</b>
<b>1981</b> .....	<b>119.4</b>	—	<b>121.7</b>	<b>120.4</b>	<b>121.3</b>	<b>123.7</b>	<b>123.8</b>	<b>125.4</b>	<b>117.3</b>	<b>127.4</b>
<b>1982</b> .....	<b>116.0</b>	—	<b>118.3</b>	<b>115.5</b>	<b>117.6</b>	<b>117.4</b>	<b>120.1</b>	<b>120.1</b>	<b>111.3</b>	<b>124.5</b>
<b>1983</b> .....	<b>107.8</b>	<b>109.0</b>	<b>109.1</b>	<b>102.8</b>	<b>109.1</b>	<b>104.1</b>	<b>110.5</b>	<b>112.9</b>	<b>106.0</b>	<b>117.0</b>
<b>1984</b> .....	<b>109.1</b>	<b>111.3</b>	<b>112.1</b>	<b>103.9</b>	<b>111.6</b>	<b>108.4</b>	<b>111.4</b>	<b>111.9</b>	<b>109.6</b>	<b>118.7</b>
<b>1985</b> .....	<b>105.3</b>	<b>106.8</b>	<b>108.0</b>	<b>99.7</b>	<b>107.0</b>	<b>102.4</b>	<b>106.7</b>	<b>107.7</b>	<b>104.6</b>	<b>114.3</b>
<b>1986</b> .....	<b>83.6</b>	<b>86.2</b>	<b>89.0</b>	<b>74.4</b>	<b>82.1</b>	<b>75.9</b>	<b>82.8</b>	<b>86.6</b>	<b>85.0</b>	<b>93.1</b>
<b>1987</b> .....	<b>80.3</b>	<b>81.4</b>	<b>83.4</b>	<b>74.7</b>	<b>80.6</b>	<b>76.5</b>	<b>82.5</b>	<b>81.1</b>	<b>79.3</b>	<b>91.8</b>
<b>1988</b> .....	<b>81.3</b>	<b>82.7</b>	<b>85.3</b>	<b>77.7</b>	<b>82.1</b>	<b>78.2</b>	<b>83.6</b>	<b>82.6</b>	<b>80.1</b>	<b>91.6</b>
<b>1989</b> .....	<b>90.0</b>	<b>91.7</b>	<b>92.9</b>	<b>89.4</b>	<b>92.6</b>	<b>89.3</b>	<b>93.9</b>	<b>90.5</b>	<b>88.2</b>	<b>98.6</b>
<b>1990</b> .....	<b>106.3</b>	<b>108.1</b>	<b>109.8</b>	<b>98.9</b>	<b>108.4</b>	<b>102.8</b>	<b>108.6</b>	<b>107.0</b>	<b>105.8</b>	<b>107.8</b>
<b>1991</b> .....	<b>101.9</b>	<b>104.1</b>	<b>106.2</b>	<b>96.0</b>	<b>103.0</b>	<b>91.6</b>	<b>99.9</b>	<b>101.9</b>	<b>99.7</b>	<b>112.2</b>
<b>1992</b> .....	<b>93.4</b>	<b>94.9</b>	<b>94.7</b>	<b>87.1</b>	<b>92.5</b>	<b>85.6</b>	<b>91.2</b>	<b>92.1</b>	<b>92.3</b>	<b>105.7</b>
<b>1993</b> .....	<b>91.1</b>	<b>92.1</b>	<b>91.9</b>	<b>82.6</b>	<b>89.7</b>	<b>82.8</b>	<b>89.3</b>	<b>90.4</b>	<b>89.9</b>	<b>104.5</b>
<b>1994</b> .....	<b>88.4</b>	<b>89.4</b>	<b>89.0</b>	<b>81.8</b>	<b>87.0</b>	<b>79.2</b>	<b>88.5</b>	<b>87.6</b>	<b>89.4</b>	<b>100.0</b>
<b>1995</b> .....	<b>86.7</b>	<b>87.5</b>	<b>86.4</b>	<b>78.7</b>	<b>84.4</b>	<b>77.9</b>	<b>87.4</b>	<b>85.3</b>	<b>87.0</b>	<b>101.0</b>
<b>1996</b> .....	<b>98.9</b>	<b>100.0</b>	<b>98.6</b>	<b>97.2</b>	<b>97.6</b>	<b>94.0</b>	<b>98.6</b>	<b>96.9</b>	<b>98.4</b>	<b>117.8</b>
<b>1997</b>										
January .....	107.9	109.0	108.6	105.2	106.5	102.1	107.0	104.4	106.5	130.4
February .....	105.1	106.0	105.2	102.2	103.4	101.0	104.5	103.5	104.2	127.0
March .....	101.6	102.5	99.3	94.3	97.7	98.6	100.4	103.1	100.7	121.4
April .....	99.2	100.3	97.6	90.9	95.9	95.2	99.4	100.4	100.1	116.3
May .....	96.4	97.1	93.4	90.6	93.0	91.9	97.3	97.7	96.4	108.6
June .....	92.3	92.9	89.9	88.1	89.1	89.1	93.3	92.9	90.8	99.9
July .....	88.3	88.7	83.7	86.7	87.5	85.6	91.6	91.1	88.8	W
August .....	86.9	86.8	84.2	85.8	84.7	85.3	91.0	92.7	89.2	W
September .....	88.7	89.0	85.5	87.0	87.0	86.3	91.2	91.7	88.5	NA
October .....	92.3	92.8	88.9	90.0	89.5	88.2	94.6	93.1	88.0	106.7
November .....	94.1	94.6	91.3	92.0	90.7	88.6	95.4	94.7	92.0	W
December .....	93.8	94.6	91.9	90.9	89.9	88.5	94.6	94.0	94.2	111.8
<b>1997</b> .....	<b>98.4</b>	<b>99.3</b>	<b>96.3</b>	<b>94.2</b>	<b>96.0</b>	<b>94.2</b>	<b>98.9</b>	<b>98.7</b>	<b>98.4</b>	<b>117.4</b>
<b>1998</b>										
January .....	92.5	93.6	91.4	88.7	88.8	87.4	93.4	92.9	92.5	111.0
February .....	91.5	92.7	90.0	85.7	87.6	86.7	92.6	91.7	91.9	110.0
March .....	89.6	90.8	88.6	83.0	86.6	84.4	90.2	92.2	90.6	104.9
April .....	87.6	88.5	85.7	81.6	83.4	81.3	88.9	89.1	88.5	100.3
May .....	84.8	85.8	83.2	80.3	81.8	79.4	87.2	86.9	81.7	NA
June .....	81.1	82.1	78.1	78.6	78.4	75.6	84.4	84.3	79.9	89.8
July .....	77.6	78.3	74.2	76.0	76.1	70.5	83.3	81.5	74.1	84.0
August .....	75.5	76.1	71.4	74.3	74.0	68.5	78.8	80.9	74.5	85.6
September .....	77.0	77.6	72.4	74.4	74.2	70.8	78.8	80.5	73.0	84.6
October .....	78.6	79.1	75.5	74.1	75.3	71.1	81.6	82.4	76.4	W
November .....	79.9	80.5	77.0	73.3	74.7	72.3	80.4	82.0	82.4	W
December .....	79.0	79.8	76.9	70.9	74.3	71.4	79.9	81.7	80.9	W
<b>1998</b> .....	<b>85.2</b>	<b>86.3</b>	<b>83.4</b>	<b>79.1</b>	<b>81.8</b>	<b>78.9</b>	<b>86.8</b>	<b>87.3</b>	<b>85.8</b>	<b>102.2</b>
<b>1999</b>										
January .....	80.4	81.3	78.6	72.0	75.3	70.8	79.9	80.5	82.1	W
February .....	79.8	80.5	77.3	71.6	74.7	70.4	79.4	79.7	80.4	W
March .....	80.9	81.4	77.9	74.2	76.1	70.4	79.3	79.5	82.9	W
April .....	82.9	83.1	80.0	79.2	76.9	70.2	79.2	80.2	88.8	W
May .....	82.1	82.3	77.3	79.2	78.1	69.1	78.8	79.6	NA	W
June .....	80.8	81.0	75.1	77.4	76.6	68.5	78.2	78.3	77.0	W
July .....	81.6	81.6	78.0	79.8	77.5	69.7	79.0	79.9	76.3	W
August .....	83.1	82.8	79.8	83.0	80.2	74.5	81.2	82.2	78.1	W
September <sup>a</sup> .....	85.2	85.0	NA	NA	NA	NA	NA	NA	NA	NA

See footnotes at end of table.

**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	PAD District I (Continued)						PAD District II			
	MD	NJ	NY	PA	VA	WV	Average	IL	IN	MI
1978 .....	49.2	49.6	50.1	48.8	49.1	46.2	—	46.5	48.5	47.9
1979 .....	70.1	71.0	71.2	69.8	70.4	65.1	—	68.8	72.7	70.9
1980 .....	97.9	97.9	98.2	96.4	98.5	92.2	—	95.8	99.6	97.8
1981 .....	121.4	121.5	123.2	118.1	120.5	115.0	—	114.9	118.5	118.3
1982 .....	117.1	117.4	120.5	113.7	117.7	109.3	—	110.9	114.3	113.9
1983 .....	110.3	107.9	112.1	105.8	108.7	101.0	102.0	100.4	100.7	106.4
1984 .....	113.5	111.0	115.5	107.9	110.5	102.1	101.7	100.1	103.1	105.0
1985 .....	108.8	105.9	111.3	102.3	106.3	98.0	99.4	97.5	99.1	102.1
1986 .....	91.4	90.2	91.1	81.4	86.6	74.6	72.7	NA	74.8	81.0
1987 .....	86.6	84.3	85.2	76.9	79.5	76.4	74.8	79.8	75.4	77.5
1988 .....	87.0	84.8	86.3	77.8	80.5	74.2	74.3	77.6	75.4	77.5
1989 .....	93.8	91.8	95.8	85.1	87.0	83.0	81.9	80.9	83.2	85.3
1990 .....	111.9	108.8	112.5	102.6	110.6	99.1	97.8	96.1	99.3	100.9
1991 .....	108.4	104.0	111.3	99.7	101.1	93.4	90.8	92.7	91.8	94.2
1992 .....	100.0	93.9	102.8	89.0	92.8	86.4	82.9	87.7	81.2	87.2
1993 .....	98.1	92.4	100.1	86.3	89.3	85.6	83.3	84.4	81.0	87.2
1994 .....	95.0	89.5	96.6	85.7	85.3	80.9	80.8	78.4	81.2	86.3
1995 .....	93.6	88.8	95.5	82.6	84.4	81.5	80.9	78.5	81.6	86.0
1996 .....	106.3	102.4	106.3	95.3	95.2	96.0	91.3	89.3	91.2	97.7
<b>1997</b> .....	<b>105.7</b>	<b>103.3</b>	<b>106.5</b>	<b>95.0</b>	<b>94.8</b>	<b>96.2</b>	<b>91.0</b>	<b>87.0</b>	<b>86.5</b>	<b>94.2</b>
January .....	117.1	111.6	114.3	104.2	105.5	103.8	99.7	99.2	100.9	105.6
February .....	115.0	108.7	111.6	102.1	102.7	101.2	97.7	93.2	97.0	104.4
March .....	108.1	104.9	111.2	97.7	100.4	98.1	93.2	90.2	94.7	NA
April .....	105.6	102.8	109.4	94.8	96.7	95.7	90.7	85.5	NA	91.7
May .....	101.9	100.1	107.7	92.4	89.9	92.9	90.4	81.9	88.7	90.7
June .....	98.0	97.2	103.6	87.6	87.8	90.6	87.0	81.4	84.2	88.2
July .....	96.1	90.3	99.4	82.0	85.9	87.4	83.3	79.9	79.9	84.9
August .....	93.8	90.1	92.9	80.7	85.3	85.0	84.2	81.3	83.2	87.4
September .....	94.7	91.2	94.5	82.8	88.9	87.6	84.4	77.4	80.4	88.3
October .....	97.8	95.4	100.6	87.2	90.2	88.1	87.1	82.6	84.5	88.9
November .....	100.3	97.8	101.7	89.5	91.8	92.2	88.3	81.5	85.0	93.6
December .....	100.9	98.2	101.8	89.9	92.5	93.6	85.8	82.1	81.8	88.9
<b>1997</b> .....	<b>105.7</b>	<b>103.3</b>	<b>106.5</b>	<b>95.0</b>	<b>94.8</b>	<b>96.2</b>	<b>91.0</b>	<b>87.0</b>	<b>86.5</b>	<b>94.2</b>
<b>1998</b> .....	<b>90.2</b>	<b>88.9</b>	<b>94.9</b>	<b>81.4</b>	<b>86.3</b>	<b>81.8</b>	<b>76.5</b>	<b>73.6</b>	<b>74.8</b>	<b>80.3</b>
January .....	100.4	96.2	101.4	89.2	92.1	91.0	82.5	80.3	79.7	85.9
February .....	98.7	95.4	100.8	88.5	91.4	88.9	80.6	79.1	78.8	85.0
March .....	96.8	92.6	98.3	86.3	89.6	88.6	79.4	76.9	77.9	83.3
April .....	93.1	91.3	97.1	84.0	88.4	86.8	79.0	73.6	77.0	81.8
May .....	89.0	89.2	95.0	82.1	83.8	82.1	76.3	69.4	73.2	79.9
June .....	85.8	83.6	92.1	75.7	82.4	79.9	74.2	66.4	72.1	79.3
July .....	81.2	78.7	89.0	70.1	81.2	73.5	72.7	70.5	69.7	76.5
August .....	79.4	76.8	83.8	69.9	79.8	72.7	70.8	NA	70.6	74.5
September .....	81.7	80.0	85.2	71.7	81.5	72.6	72.5	66.3	72.5	75.9
October .....	80.3	82.0	88.0	74.1	80.5	76.9	73.8	69.8	73.0	77.3
November .....	82.1	83.1	89.3	76.6	81.6	76.8	73.1	70.9	71.8	77.9
December .....	80.3	82.2	89.3	75.9	79.9	73.8	71.3	66.6	69.1	77.9
<b>1998</b> .....	<b>90.2</b>	<b>88.9</b>	<b>94.9</b>	<b>81.4</b>	<b>86.3</b>	<b>81.8</b>	<b>76.5</b>	<b>73.6</b>	<b>74.8</b>	<b>80.3</b>
<b>1999</b> .....	<b>85.7</b>	<b>83.3</b>	<b>90.3</b>	<b>77.8</b>	<b>81.2</b>	<b>74.6</b>	<b>71.7</b>	<b>68.6</b>	<b>71.4</b>	<b>76.2</b>
January .....	85.7	83.3	90.3	77.8	81.2	74.6	71.7	68.6	71.4	76.2
February .....	86.1	83.1	89.5	77.3	81.2	71.4	71.1	66.0	70.9	76.5
March .....	86.9	83.3	90.5	77.3	81.6	78.4	73.8	67.9	73.8	77.5
April .....	86.9	88.6	94.2	75.8	85.0	71.9	76.5	63.7	76.0	81.5
May .....	84.5	87.0	95.5	75.3	84.2	71.2	75.3	60.5	72.9	NA
June .....	81.8	84.4	96.1	73.8	83.2	66.2	74.4	57.9	74.0	NA
July .....	84.4	85.1	95.1	73.4	84.1	69.5	77.9	62.8	76.3	NA
August .....	85.9	87.4	NA	74.7	87.3	75.9	82.5	NA	84.4	NA
September <sup>a</sup> .....	NA	NA	NA	NA	NA	NA	<sup>E</sup> 86.3	NA	NA	NA

See footnotes at end of table.

**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	PAD District II (Continued)			PAD District III Average	PAD District IV		PAD District V			
	MN	OH	WI		Average	ID	Average	AK	OR	WA
1978 .....	47.8	47.4	44.7	—	—	43.6	—	53.2	45.8	48.6
1979 .....	72.4	68.6	67.3	—	—	62.1	—	68.2	68.0	69.7
1980 .....	99.9	91.9	91.5	—	—	91.6	—	97.8	97.3	100.8
1981 .....	118.4	113.2	109.1	—	—	110.4	—	118.0	111.4	116.5
1982 .....	115.1	110.2	107.8	—	—	110.4	—	117.4	111.6	117.6
1983 .....	103.1	101.3	101.2	87.4	94.2	101.8	106.4	108.8	103.6	109.0
1984 .....	104.1	102.1	101.0	97.9	96.8	98.5	101.5	106.9	99.3	102.6
1985 .....	101.9	99.7	98.3	92.5	96.1	97.2	100.9	108.3	97.1	101.1
1986 .....	79.2	77.7	75.6	67.4	70.6	73.8	78.1	94.9	70.4	77.5
1987 .....	74.6	74.7	75.1	63.7	69.6	68.8	77.8	86.5	72.5	79.5
1988 .....	73.5	74.7	73.9	62.8	69.1	68.8	76.9	86.9	70.9	78.5
1989 .....	82.4	81.6	81.1	70.7	78.6	77.8	86.6	96.4	80.2	87.4
1990 .....	101.4	98.1	94.2	85.5	97.0	97.4	102.6	110.1	97.0	102.9
1991 .....	91.1	91.0	89.5	78.7	92.4	95.1	99.8	105.0	93.3	101.6
1992 .....	82.6	83.6	81.6	71.3	84.8	85.7	92.1	94.1	87.6	94.0
1993 .....	83.2	84.0	82.3	75.4	86.0	86.2	96.8	96.1	91.8	99.9
1994 .....	80.6	81.2	81.1	71.4	78.6	78.9	90.9	86.5	88.7	95.0
1995 .....	80.1	80.8	81.2	69.0	84.4	83.9	90.6	83.4	89.4	96.2
1996 .....	90.9	92.1	89.9	77.5	94.2	93.3	99.9	90.9	98.9	108.0
<b>1997</b>										
January .....	99.4	100.7	98.3	85.5	96.8	94.9	108.5	97.2	105.7	117.6
February .....	97.0	98.4	96.8	79.7	97.3	94.5	109.1	97.7	106.7	118.8
March .....	91.4	92.3	96.8	75.1	97.5	100.6	109.3	98.9	107.5	116.6
April .....	89.4	92.3	92.9	74.7	95.9	98.3	107.7	97.6	106.0	114.9
May .....	89.0	90.4	93.4	70.9	94.5	98.4	103.9	96.5	104.6	109.1
June .....	87.2	86.8	90.8	70.3	NA	93.4	102.5	96.1	100.2	112.2
July .....	84.7	83.2	86.9	70.4	89.9	89.9	103.3	97.6	96.8	NA
August .....	84.7	81.7	86.5	72.3	88.6	91.2	101.6	96.5	99.2	108.8
September .....	83.6	84.2	88.0	72.1	91.1	92.5	103.6	96.8	101.2	110.9
October .....	86.2	88.2	89.5	73.9	91.8	93.0	104.3	97.8	101.6	111.6
November .....	86.4	89.2	89.8	72.9	93.7	94.4	105.7	98.2	102.3	112.8
December .....	84.4	85.8	88.6	68.5	92.4	93.4	102.4	96.4	98.4	109.0
1997 .....	89.9	91.3	93.3	73.8	93.7	95.3	106.0	97.3	103.1	113.9
<b>1998</b>										
January .....	81.5	81.9	85.4	66.2	83.3	85.0	98.9	NA	93.6	105.7
February .....	78.1	80.6	83.7	64.7	79.4	80.8	95.0	87.1	89.3	102.4
March .....	77.2	79.3	82.5	62.3	77.0	78.6	92.8	86.2	85.8	99.6
April .....	77.8	79.2	81.5	63.0	78.0	78.3	92.7	86.6	86.2	99.9
May .....	73.1	77.8	80.5	61.2	74.3	74.4	90.9	86.1	85.2	98.9
June .....	69.3	74.4	78.8	W	72.1	69.6	86.3	85.8	81.8	91.5
July .....	69.3	72.6	77.8	W	77.8	77.9	82.7	81.8	80.6	87.0
August .....	68.2	70.1	75.5	55.1	77.9	79.7	84.1	82.5	82.4	88.5
September .....	70.5	72.2	74.9	59.8	78.3	78.4	86.5	83.4	83.7	91.2
October .....	70.7	74.4	76.9	57.9	78.6	78.8	88.7	84.3	83.9	94.2
November .....	70.3	73.4	76.5	55.6	77.0	76.5	89.2	82.7	82.4	97.2
December .....	67.9	71.7	74.6	51.9	71.6	71.9	88.4	82.5	81.9	95.0
1998 .....	73.9	76.6	80.1	65.6	77.6	78.3	91.4	85.1	85.9	98.6
<b>1999</b>										
January .....	68.0	72.8	75.0	53.8	68.7	68.5	87.1	80.6	81.8	93.0
February .....	67.0	72.1	73.9	51.0	69.0	67.9	87.1	81.2	79.9	93.5
March .....	69.6	76.6	76.4	52.2	71.7	71.0	93.6	84.7	87.3	101.6
April .....	73.5	76.5	77.8	NA	NA	NA	104.3	NA	97.5	111.4
May .....	72.5	76.1	77.3	59.5	75.2	76.0	101.1	96.0	95.3	107.3
June .....	72.4	77.4	76.4	NA	76.6	75.6	103.2	97.3	104.8	110.3
July .....	74.0	78.9	79.8	65.0	78.9	NA	103.0	99.2	103.4	110.2
August .....	81.1	80.5	85.8	70.1	82.3	79.6	NA	NA	104.5	108.2
September <sup>a</sup> .....	NA	NA	NA	E67.6	NA	NA	E92.8	NA	NA	NA

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

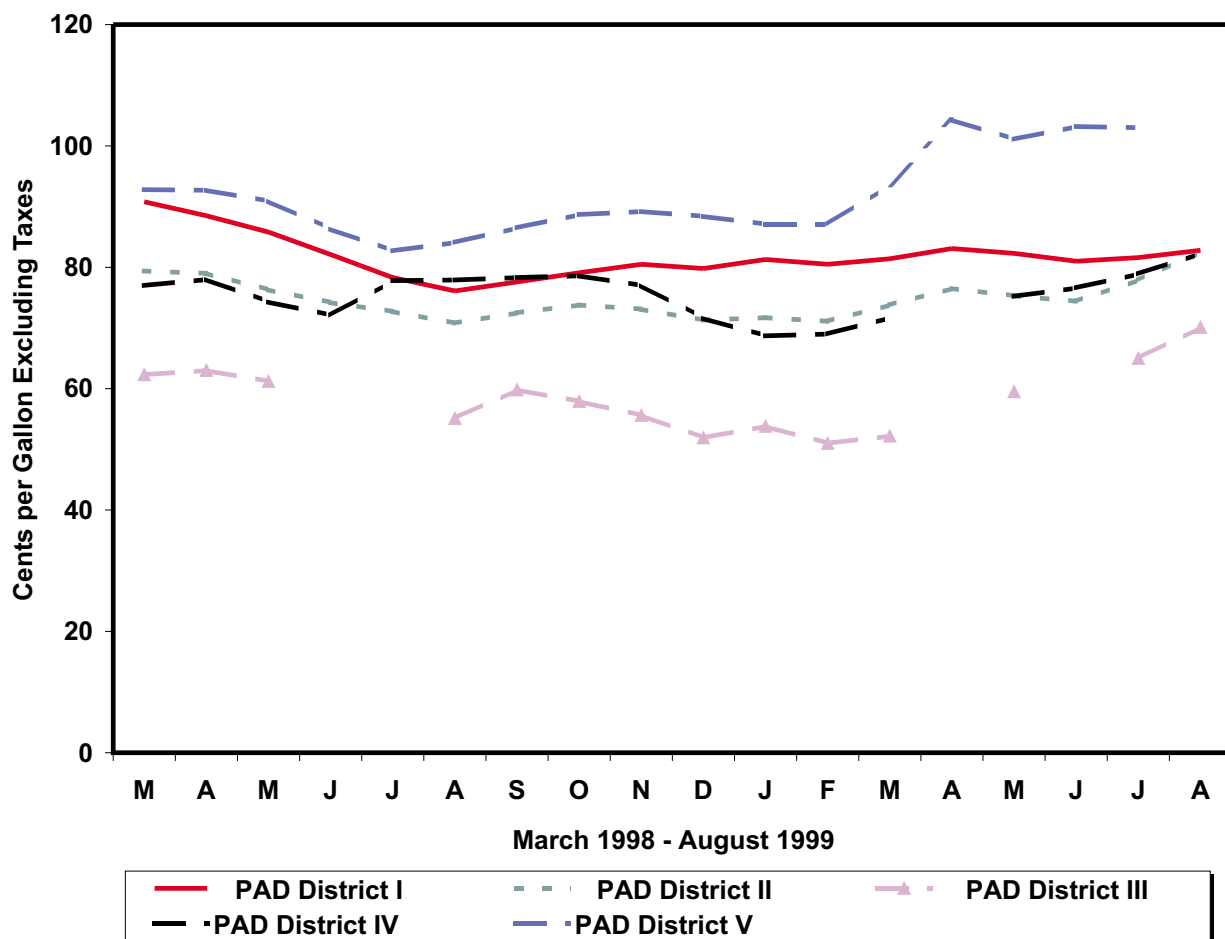
E = Estimated data.

<sup>a</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report," January 1983 forward; Form EIA-9A, "No. 2 Distillate Price Monitoring Report," source for backcast estimates prior to January 1983.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

**Figure 6. U.S. No. 2 Distillate Prices to Residences by PAD District**



Source: Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and Form EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 19. U.S. Refiner Residual Fuel Oil Prices**  
(Cents per Gallon Excluding Taxes)

Year Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
1978 .....	31.4	29.3	27.5	24.5	29.8	26.3
1979 .....	46.8	45.0	38.9	36.6	43.6	39.9
1980 .....	67.5	60.8	52.3	47.9	60.7	52.8
1981 .....	82.9	74.8	67.3	62.2	75.6	66.3
1982 .....	74.7	69.5	61.1	57.2	67.6	61.2
1983 .....	69.5	64.3	61.1	59.1	65.1	60.9
1984 .....	72.0	68.5	65.9	63.9	68.7	65.4
1985 .....	64.4	61.0	58.2	56.0	61.0	57.7
1986 .....	37.2	32.8	31.7	28.9	34.3	30.5
1987 .....	44.7	41.2	39.6	36.2	42.3	38.5
1988 .....	37.2	33.3	30.0	27.1	33.4	30.0
1989 .....	43.6	40.7	34.4	33.1	38.5	36.0
1990 .....	50.5	47.2	40.0	37.2	44.4	41.3
1991 .....	40.2	36.4	30.6	29.2	34.0	31.4
1992 .....	38.9	35.1	31.2	28.6	33.6	30.8
1993 .....	39.7	33.7	30.3	25.6	33.7	29.3
1994 .....	40.1	34.5	33.0	28.7	35.2	31.7
1995 .....	43.6	38.3	37.7	33.8	39.2	36.3
1996 .....	52.6	45.6	43.3	38.9	45.5	42.0
<b>1997</b>						
January .....	58.7	46.2	46.3	39.3	49.5	42.9
February .....	54.6	43.7	41.8	35.4	45.2	39.3
March .....	49.3	39.8	37.6	33.9	40.3	35.8
April .....	46.4	37.6	37.5	35.2	39.7	36.1
May .....	45.2	36.7	38.6	35.4	40.3	35.8
June .....	44.4	39.5	38.7	34.7	40.1	36.7
July .....	44.2	38.5	38.2	35.3	39.6	36.5
August .....	44.6	39.4	39.5	37.5	40.7	38.3
September .....	46.4	40.1	40.1	37.5	41.3	38.7
October .....	48.2	44.6	42.9	39.7	43.9	42.0
November .....	51.2	46.5	43.8	41.6	45.7	43.5
December .....	48.5	38.7	37.8	32.8	40.2	35.6
1997 .....	48.8	41.5	40.3	36.6	42.3	38.7
<b>1998</b>						
January .....	44.7	35.2	32.5	28.9	35.3	31.1
February .....	39.6	30.7	30.6	26.6	32.7	28.2
March .....	35.6	29.4	26.0	24.0	28.6	26.4
April .....	35.9	32.9	30.4	28.8	31.7	30.3
May .....	37.6	31.9	30.1	28.2	31.8	29.4
June .....	36.1	29.3	29.6	27.0	31.3	27.9
July .....	35.0	30.7	30.0	28.8	31.4	29.6
August .....	32.3	26.9	27.4	26.1	28.7	26.5
September .....	32.4	29.9	26.0	27.0	27.6	27.9
October .....	33.6	31.0	28.1	27.0	29.7	28.3
November .....	33.6	27.3	27.6	25.0	29.3	25.8
December .....	31.9	24.0	23.3	22.7	25.4	23.2
1998 .....	35.4	29.9	28.4	26.8	30.2	27.9
<b>1999</b>						
January .....	32.4	27.6	25.4	23.5	27.2	25.2
February .....	30.6	21.9	24.0	21.8	25.8	21.8
March .....	31.4	27.2	26.0	23.9	27.5	24.9
April .....	32.7	30.7	29.9	28.8	30.9	29.5
May .....	NA	34.9	33.2	29.2	34.6	32.1
June .....	38.1	34.8	32.6	30.3	34.3	31.9
July .....	40.5	38.2	34.5	33.9	36.1	35.6
August .....	46.1	44.5	42.9	38.6	43.6	42.0

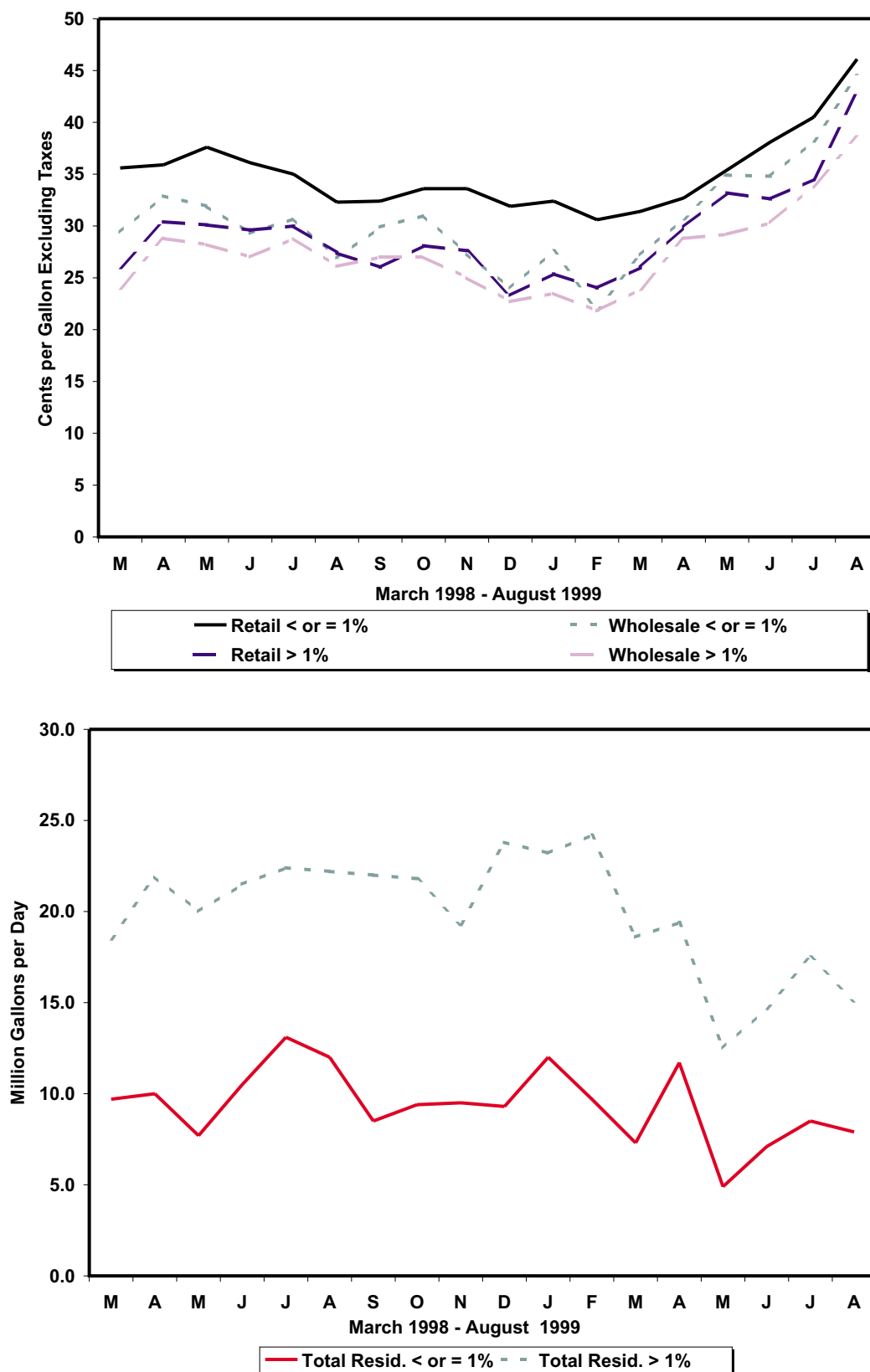
NA = Not available.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.



**Figure 7. U.S. Refiner Residual Fuel Oil Prices and Volumes**



Source: Energy Information Administration, Form EIA-782A, "Refiners' /Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 20. U.S. Refiner Residual Fuel Oil Volumes**  
(Million Gallons per Day)

Year Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Total	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>1983</b> .....	13.4	7.2	14.9	12.9	28.3	20.2
<b>1984</b> .....	15.1	6.7	17.8	14.6	32.9	21.3
<b>1985</b> .....	11.4	7.0	13.8	12.9	25.2	19.9
<b>1986</b> .....	15.2	7.9	16.4	10.7	31.6	18.6
<b>1987</b> .....	15.1	7.8	13.9	9.1	29.0	16.9
<b>1988</b> .....	14.2	8.7	15.9	10.3	30.2	18.9
<b>1989</b> .....	13.4	7.9	17.0	13.1	30.4	21.0
<b>1990</b> .....	11.1	7.4	14.9	10.5	25.9	17.9
<b>1991</b> .....	8.6	5.6	15.5	12.2	24.0	17.8
<b>1992</b> .....	7.1	5.2	15.3	10.0	22.4	15.2
<b>1993</b> .....	6.2	5.7	11.1	6.9	17.2	12.6
<b>1994</b> .....	4.2	6.6	9.3	6.2	13.5	12.8
<b>1995</b> .....	2.9	7.7	8.7	5.9	11.6	13.6
<b>1996</b> .....	3.1	6.3	9.8	7.4	12.9	13.8
<b>1997</b> .....						
January .....	3.6	7.3	10.2	6.8	13.8	14.1
February .....	3.8	6.5	10.4	7.3	14.1	13.9
March .....	3.2	3.0	10.4	6.4	13.6	9.4
April .....	2.8	3.7	8.7	6.8	11.5	10.5
May .....	2.7	2.7	8.0	5.5	10.7	8.2
June .....	3.0	4.3	9.3	6.0	12.3	10.4
July .....	3.2	4.1	10.2	6.8	13.5	10.9
August .....	2.9	5.1	9.2	7.0	12.1	12.1
September .....	2.6	5.0	10.1	6.6	12.6	11.6
October .....	2.9	5.7	12.2	6.7	15.1	12.4
November .....	3.6	4.6	10.8	7.2	14.4	11.8
December .....	3.9	6.0	13.6	6.8	17.5	12.9
<b>1997</b> .....	<b>3.2</b>	<b>4.8</b>	<b>10.3</b>	<b>6.7</b>	<b>13.4</b>	<b>11.5</b>
<b>1998</b> .....						
January .....	3.6	4.8	11.9	9.2	15.5	14.0
February .....	3.1	4.1	10.4	6.2	13.5	10.2
March .....	4.2	5.5	11.3	7.2	15.5	12.7
April .....	3.5	6.5	11.0	10.9	14.4	17.4
May .....	3.0	4.7	10.2	9.8	13.2	14.5
June .....	3.7	6.8	10.2	11.3	13.8	18.2
July .....	4.5	8.6	11.6	10.8	16.0	19.4
August .....	4.8	7.2	13.0	9.2	17.8	16.5
September .....	3.2	5.3	9.8	12.2	13.0	17.4
October .....	4.0	5.4	10.0	11.8	14.0	17.2
November .....	4.1	5.0	10.1	9.2	14.2	14.1
December .....	4.4	4.9	13.7	10.1	18.1	15.0
<b>1998</b> .....	<b>3.9</b>	<b>5.7</b>	<b>11.1</b>	<b>9.8</b>	<b>15.0</b>	<b>15.6</b>
<b>1999</b> .....						
January .....	4.4	7.6	12.8	10.4	17.1	18.0
February .....	4.4	5.3	11.9	12.3	16.2	17.6
March .....	4.1	3.2	10.6	8.0	14.7	11.3
April .....	5.0	6.7	9.1	10.3	14.1	17.0
May .....	NA	4.9	7.8	4.7	14.7	9.6
June .....	3.6	3.5	8.2	6.5	11.8	10.1
July .....	4.1	4.4	10.6	6.9	14.7	11.3
August .....	3.3	4.6	11.8	3.3	15.1	7.9

NA = Not available.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."